

Fig. 1

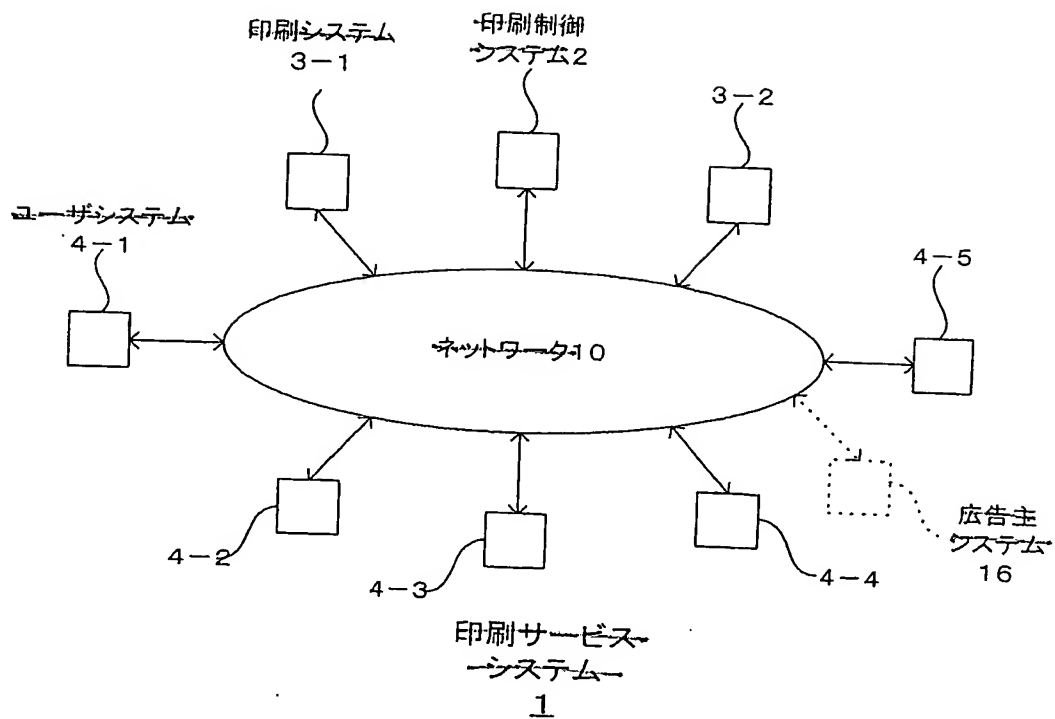
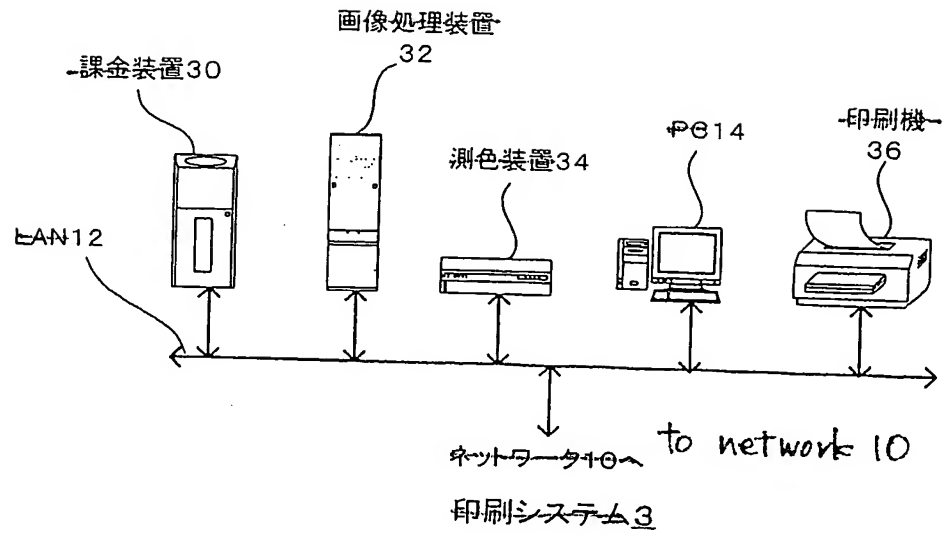


Fig. 2

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【図3】 Fig. 3

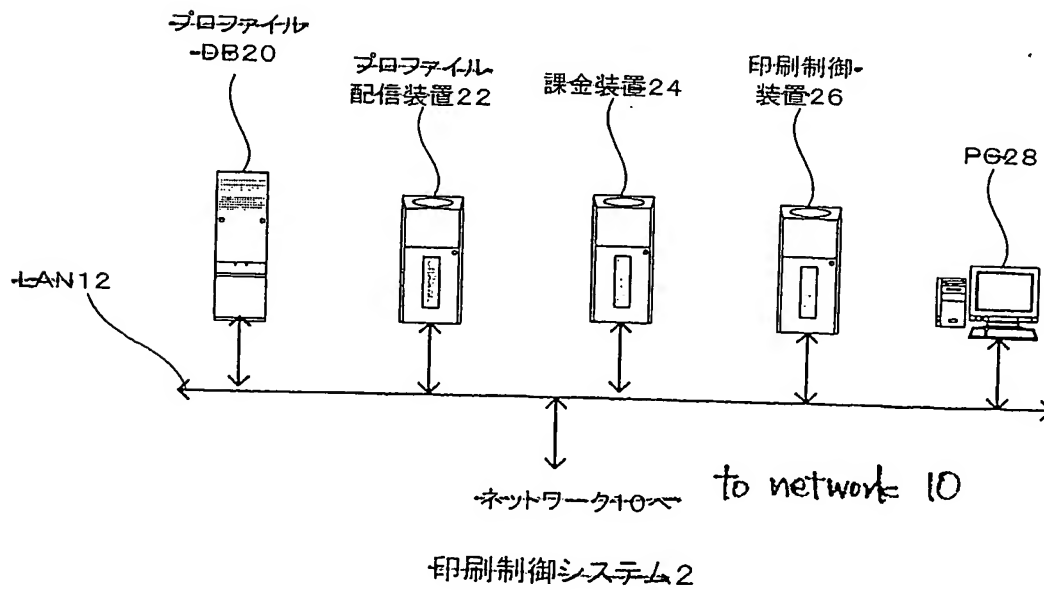
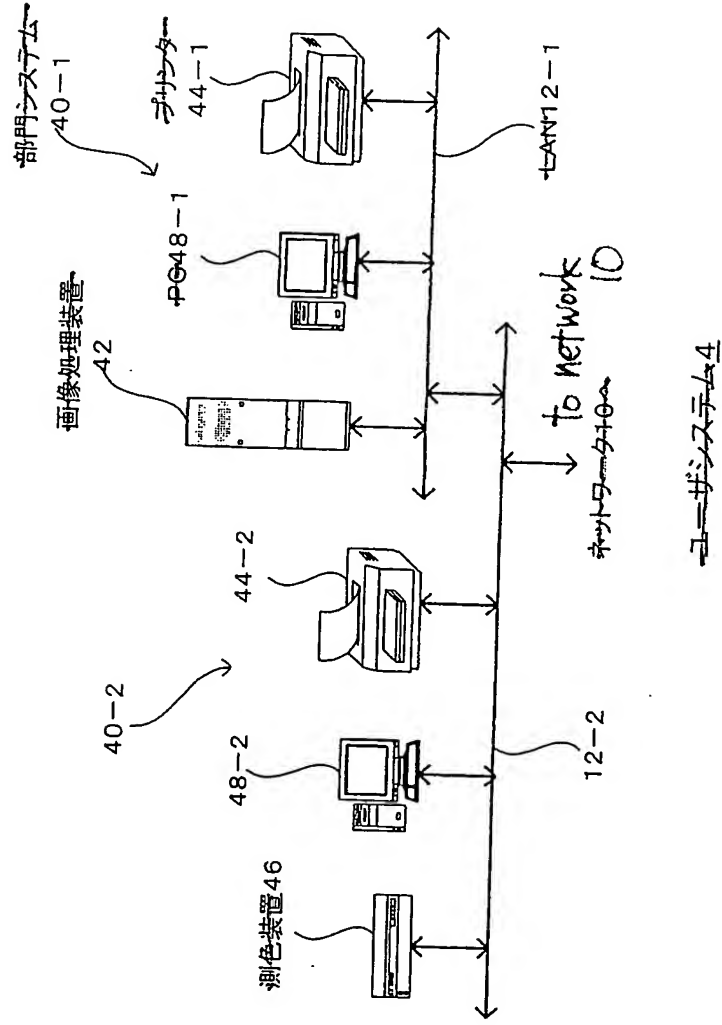


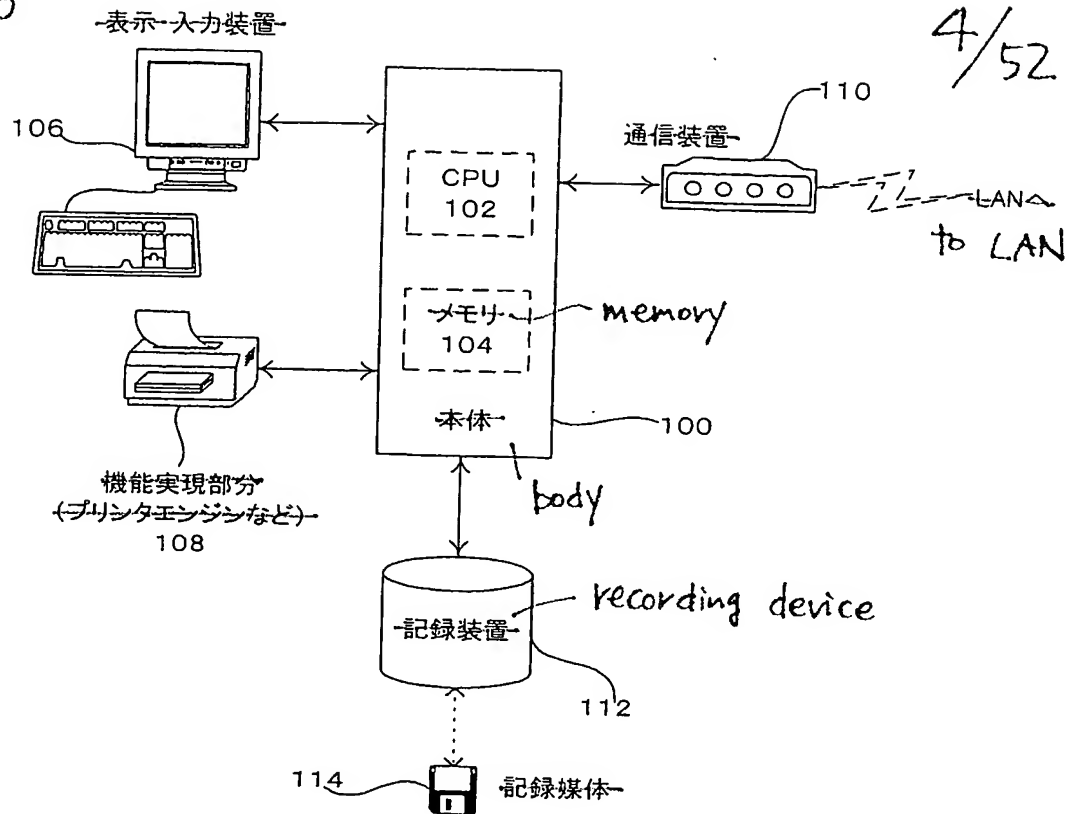
Fig. 4

【図4】



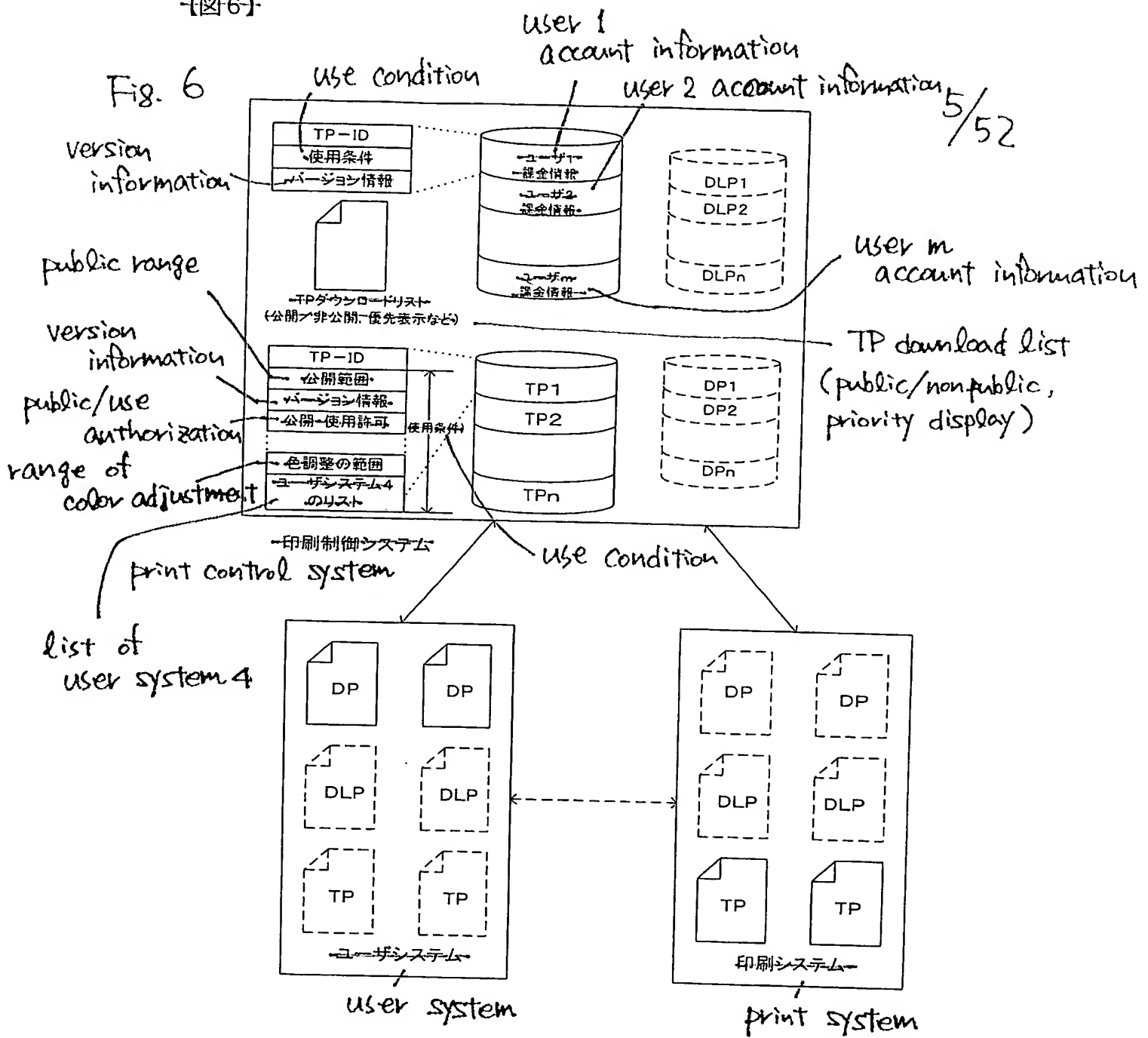
【図5】

Fig. 5



PG14, 28, 48, プロファイルDB20,  
 プロファイル配信装置22, 課金装置24, 30,  
 印刷制御装置26, 画像処理装置32, 42,  
 測色装置34, 46, 印刷機36, プリンタ44

Fig. 6



【図7】

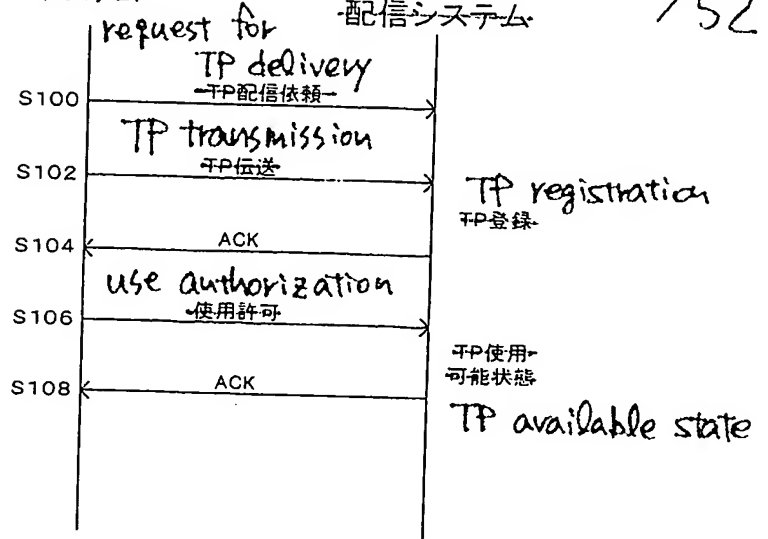
Fig. 7

user system  
ユーザ  
システム

print  
system  
印刷  
システム

profile  
delivery system  
プロファイル  
配信システム

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TP配信開始(S10)  
TP delivery start

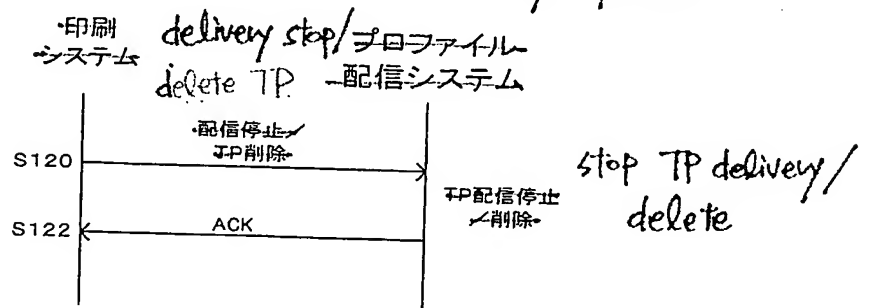
【図8】

Fig. 8

user system  
ユーザ  
システム

print  
system  
印刷  
システム

profile  
delivery system  
プロファイル  
配信システム



TP配信停止(S12)  
TP delivery stop

Fig. 9

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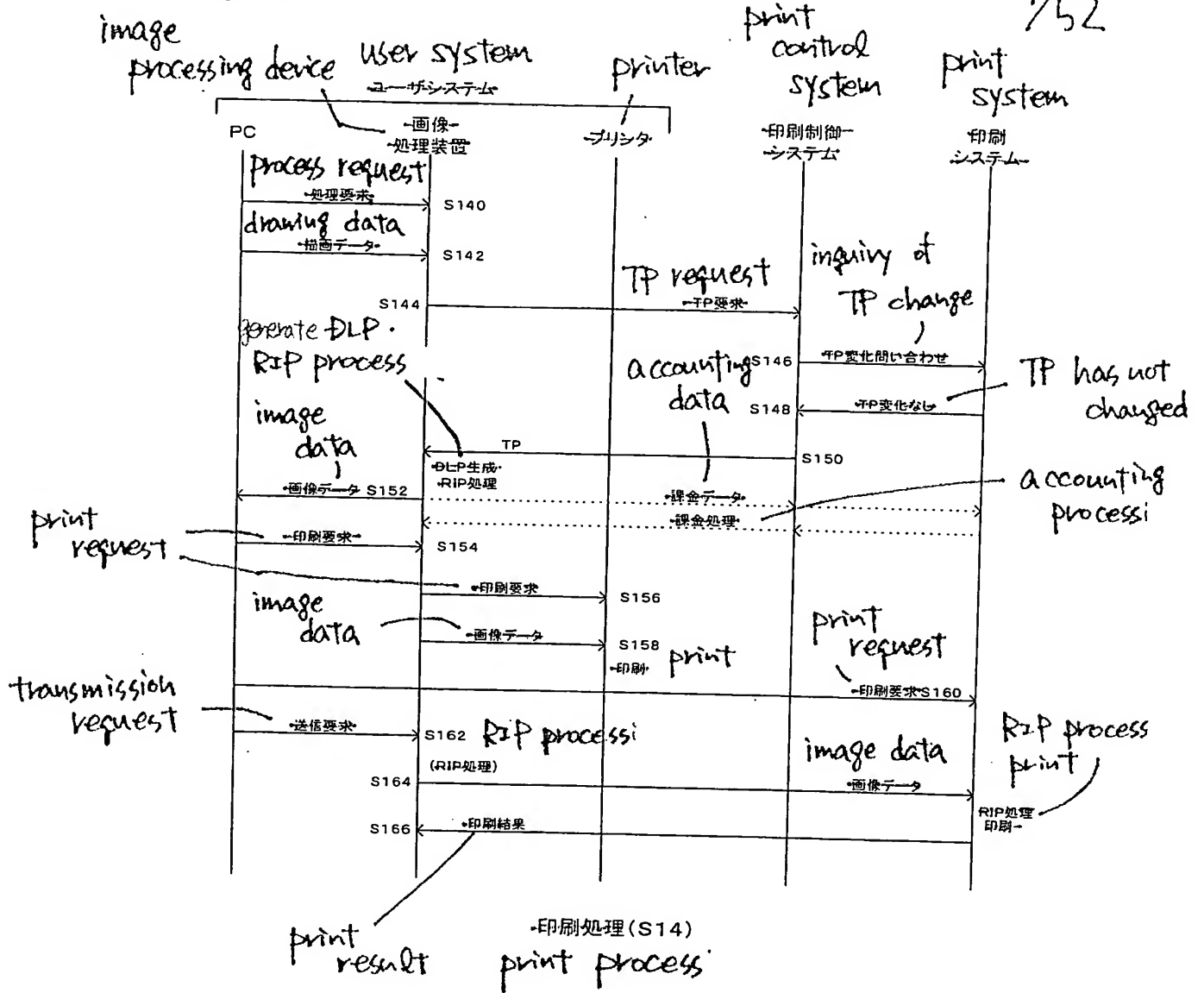
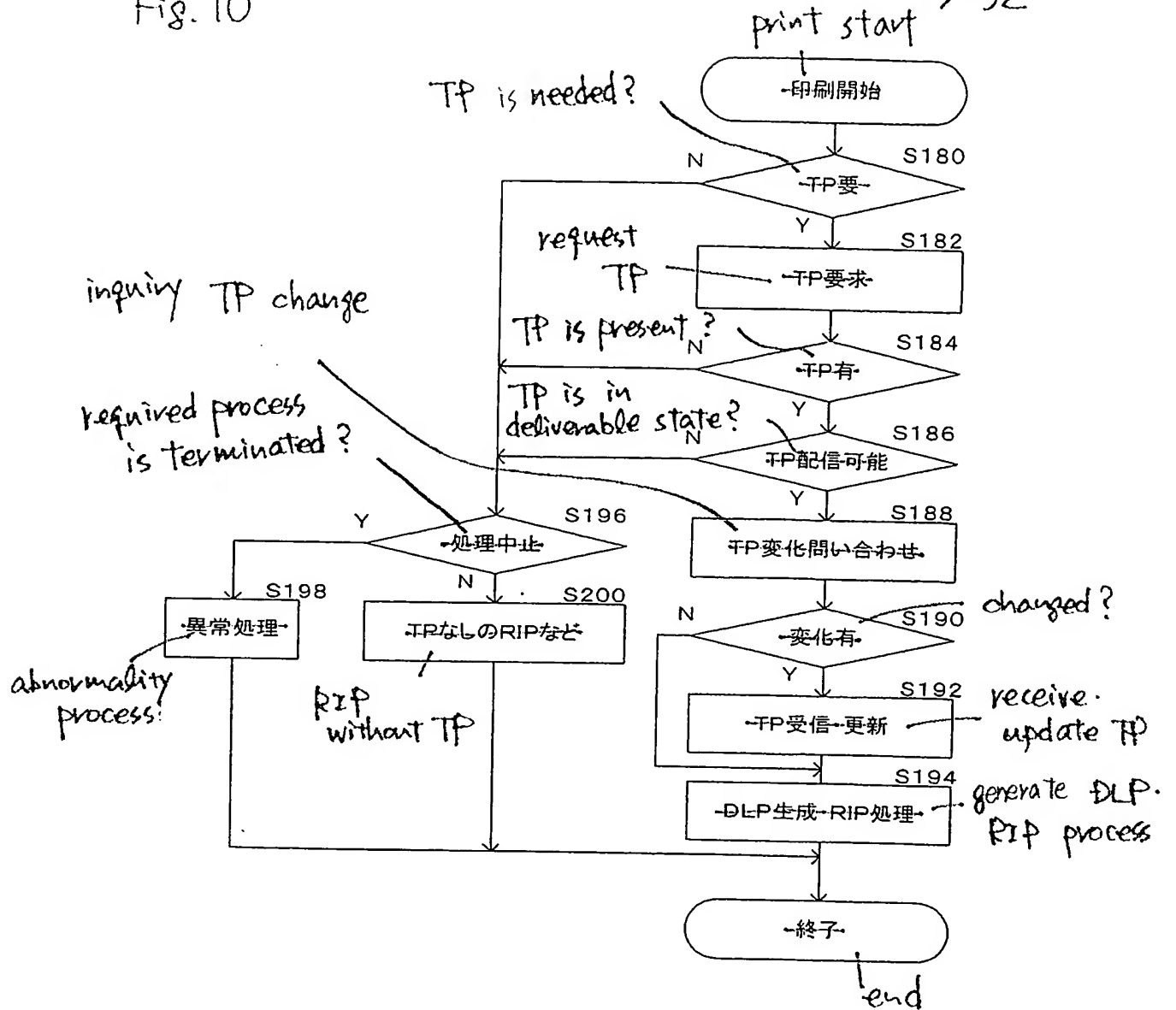


Fig. 10

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S18



Fig. 11

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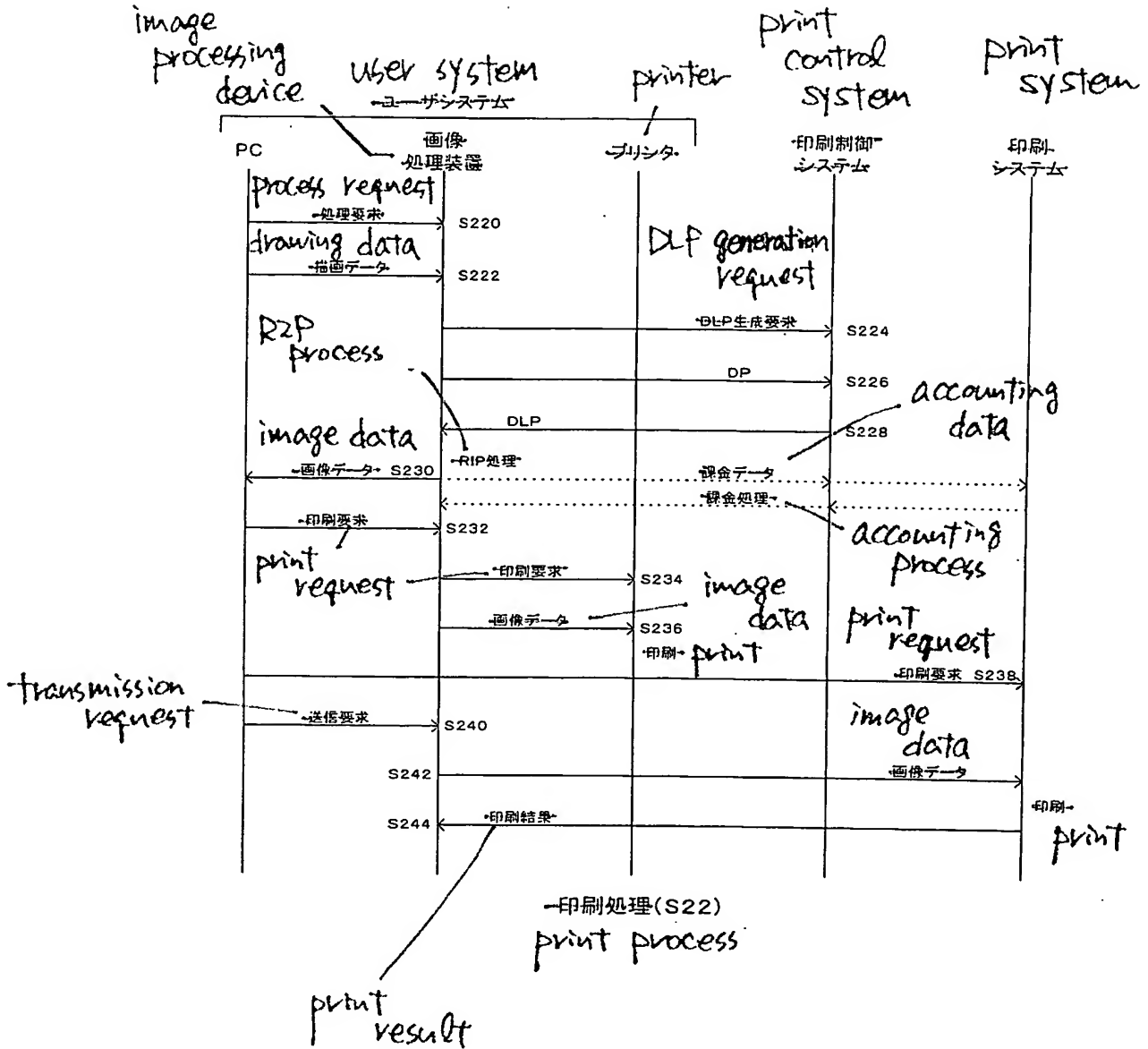
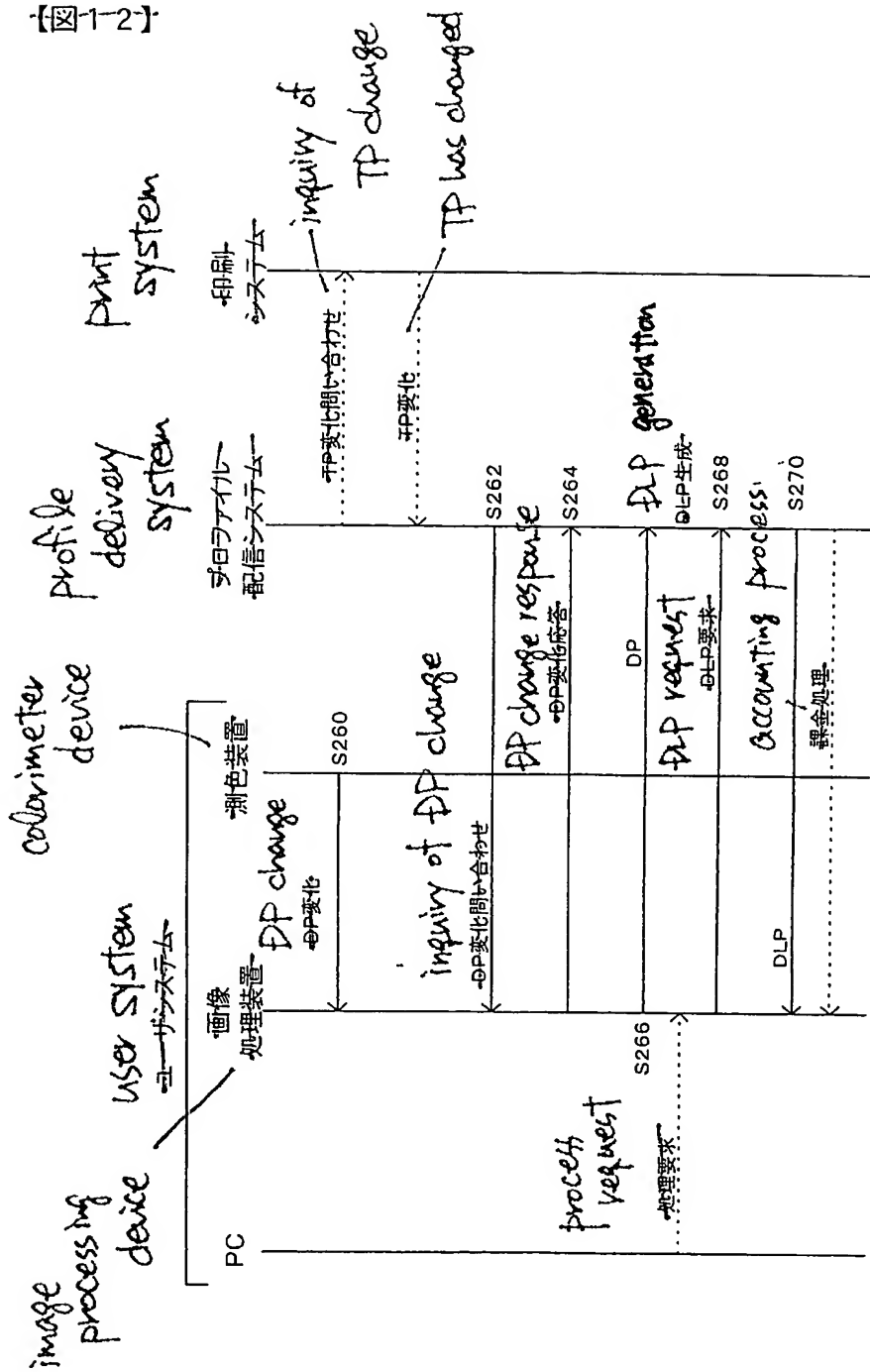


Fig. 12



【図1-2】

-DLP自動生成処理(S26)

DLP automatic generation process

Fig. 13

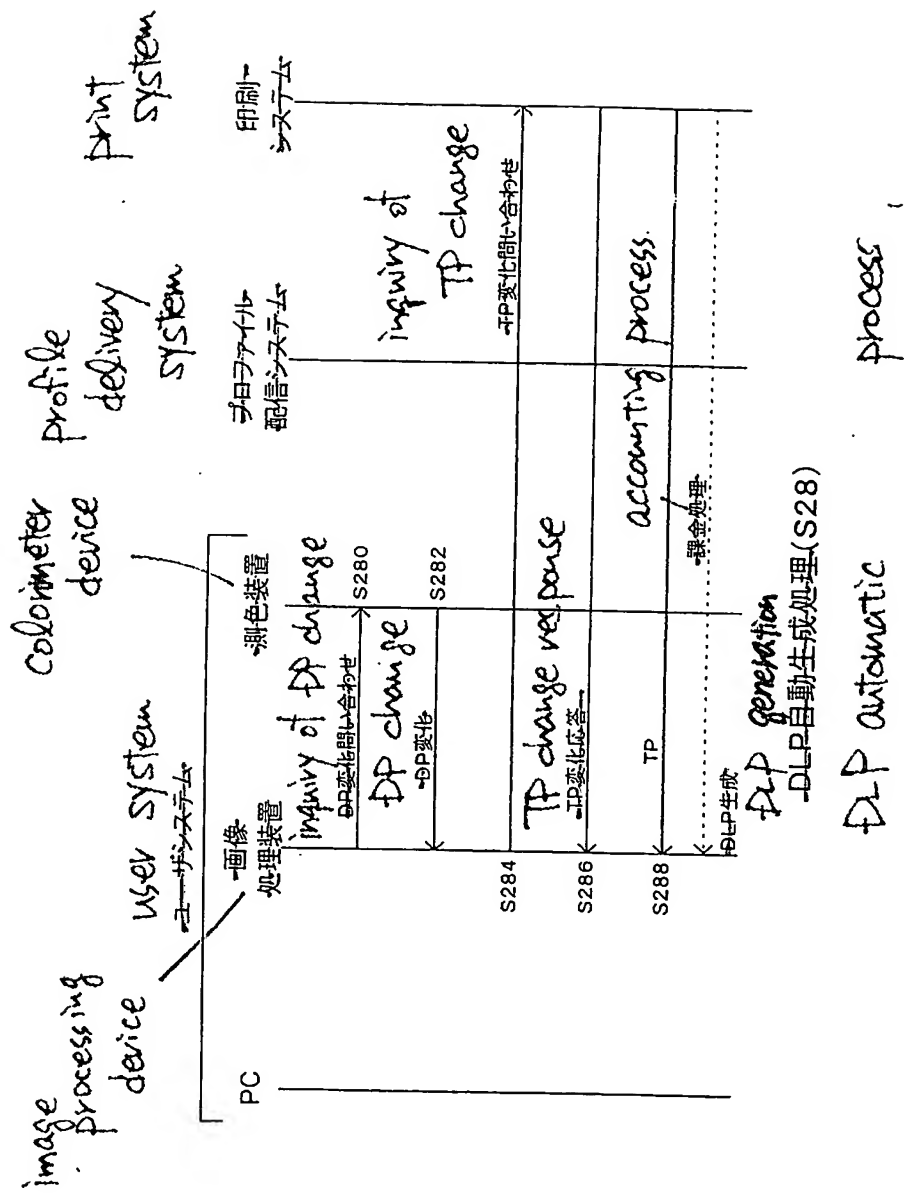
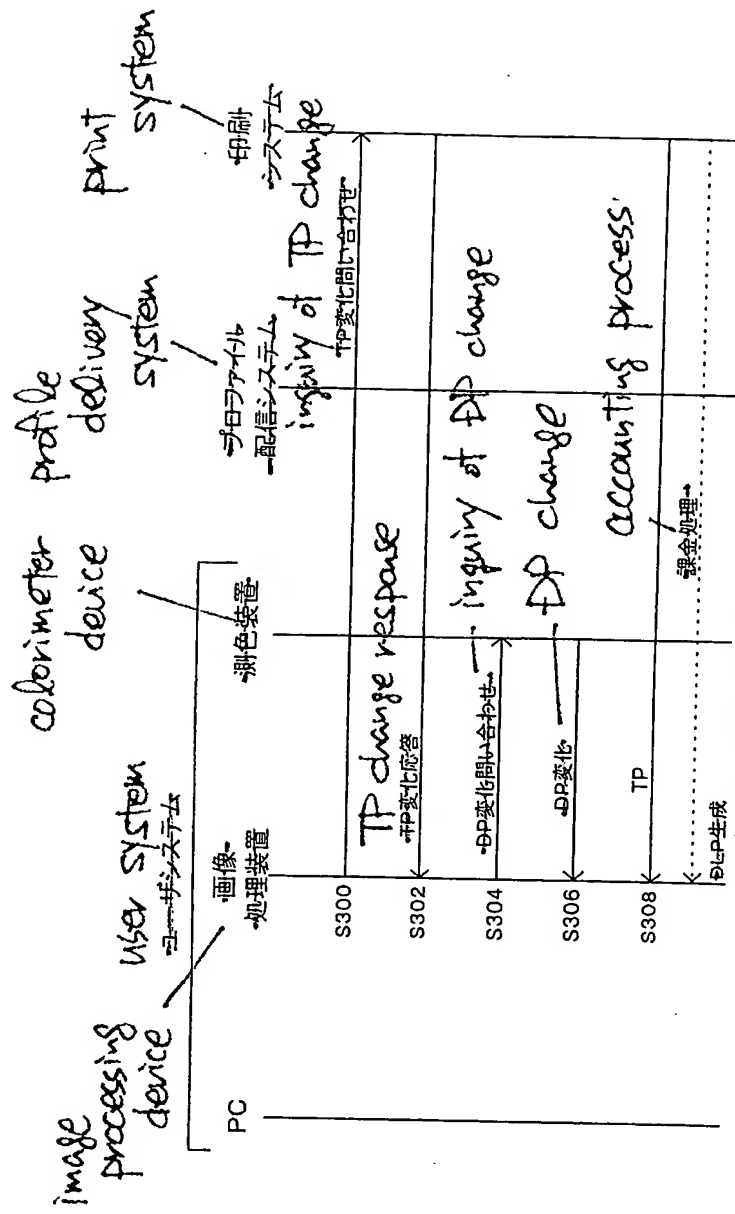


Fig. 14



【図14】

Fig. 15

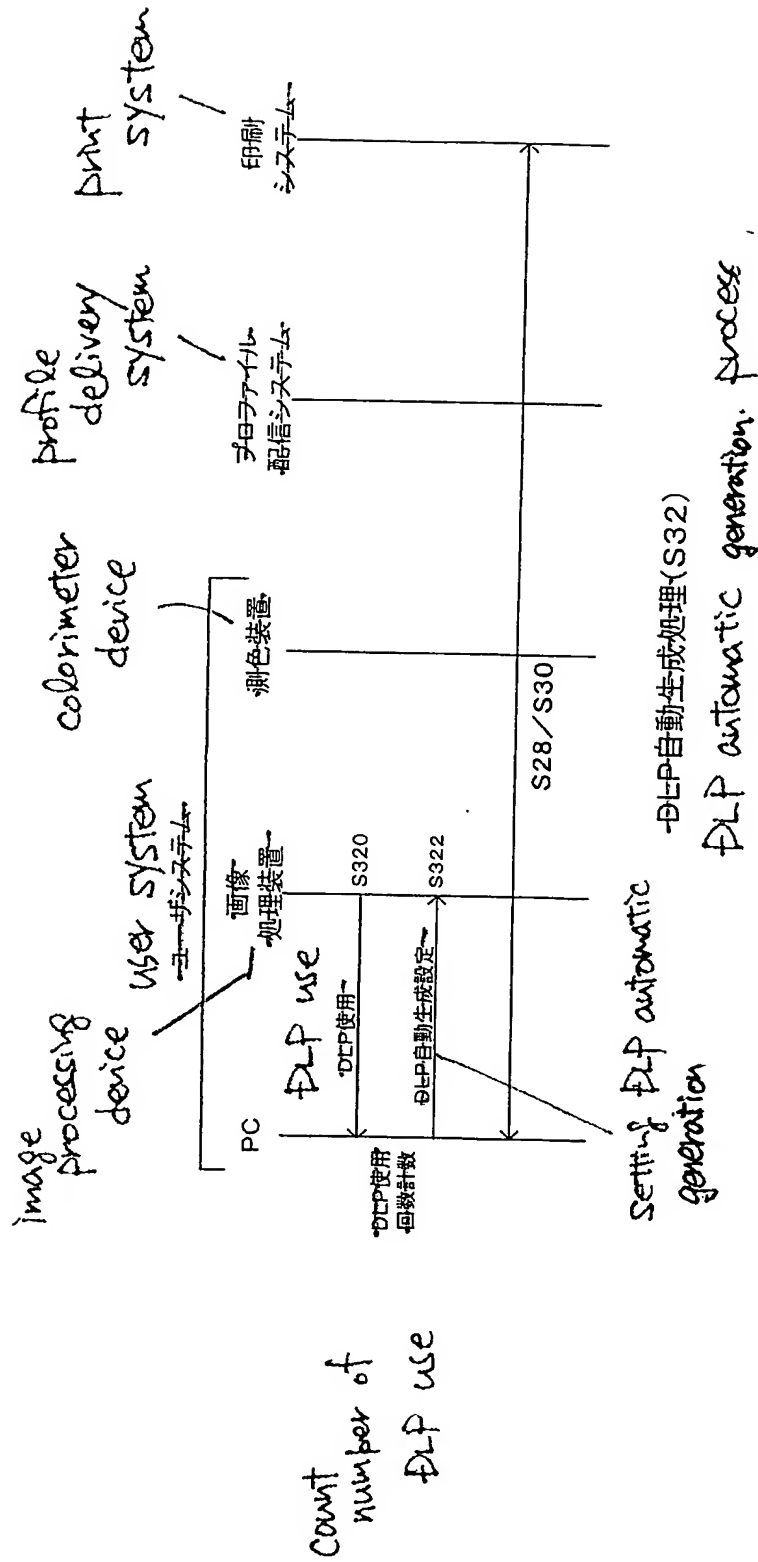
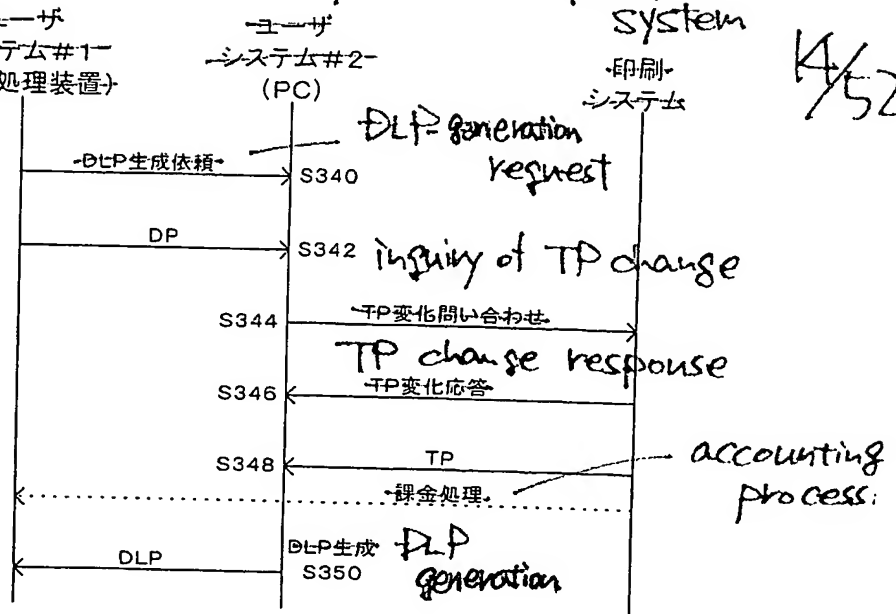


Fig. 16  
user system #1  
(image processing device)

use system #2

print system  
印刷システム

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DLP生成依頼処理(S34)

DLP generation request process

Fig. 17

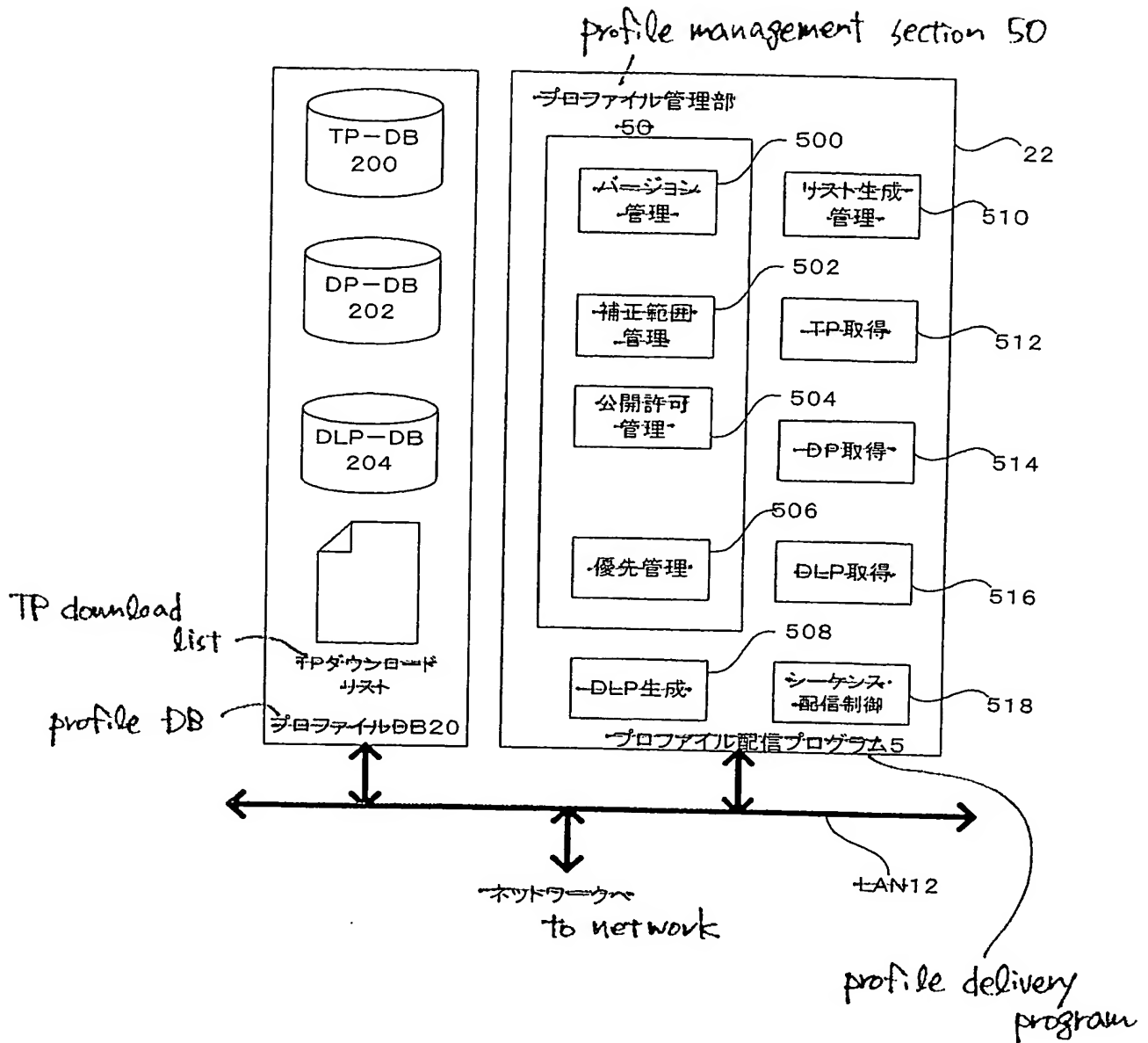


Fig. 17

500    VERSION MANAGEMENT SECTION  
502    CORRECTION RANGE MANAGEMENT SECTION  
504    PUBLIC AUTHORIZATION MANAGEMENT SECTION  
506    PRIORITY MANAGEMENT SECTION  
508    DLP GENERATION SECTION  
510    LIST GENERATION MANAGEMENT SECTION  
512    TP ACQUISITION SECTION  
514    DP ACQUISITION SECTION  
516    DLP ACQUISITION SECTION  
518    SEQUENCE/COMMUNICATION CONTROL SECTION

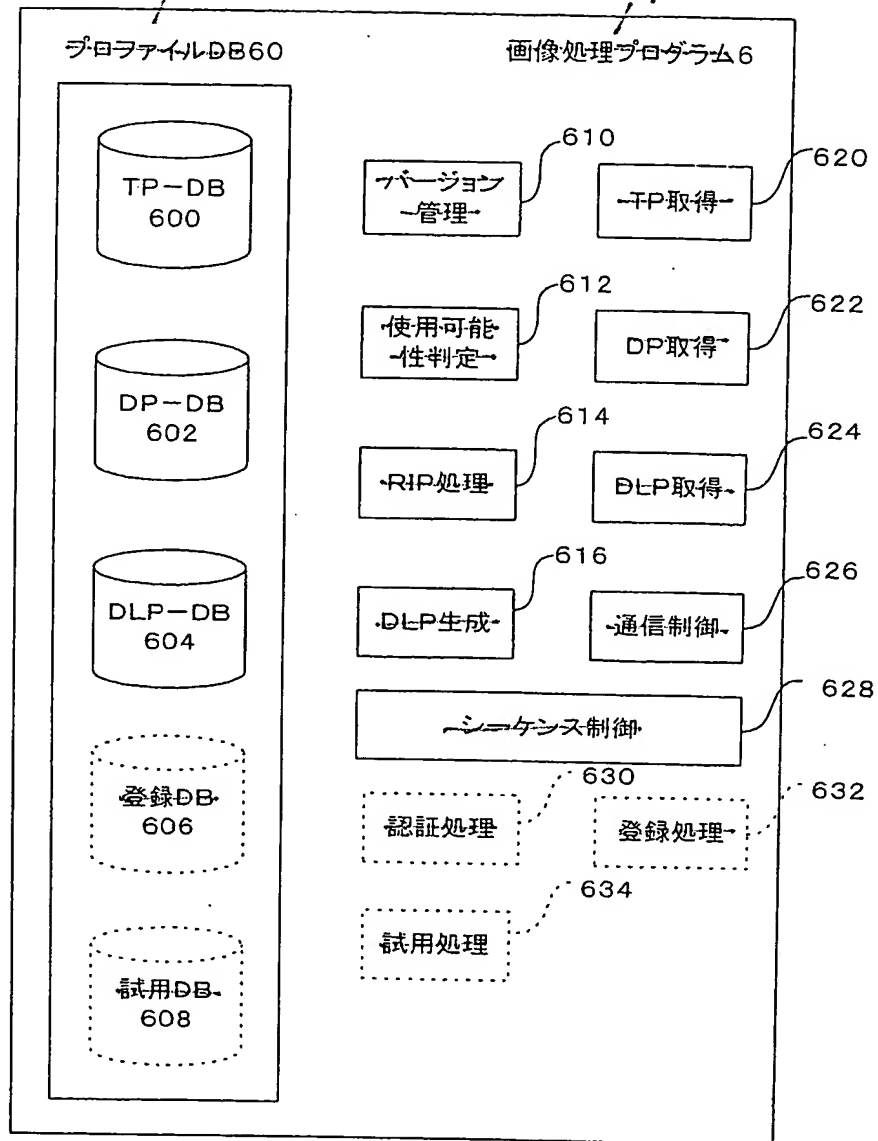


Fig. 18

profile DB

image processing program

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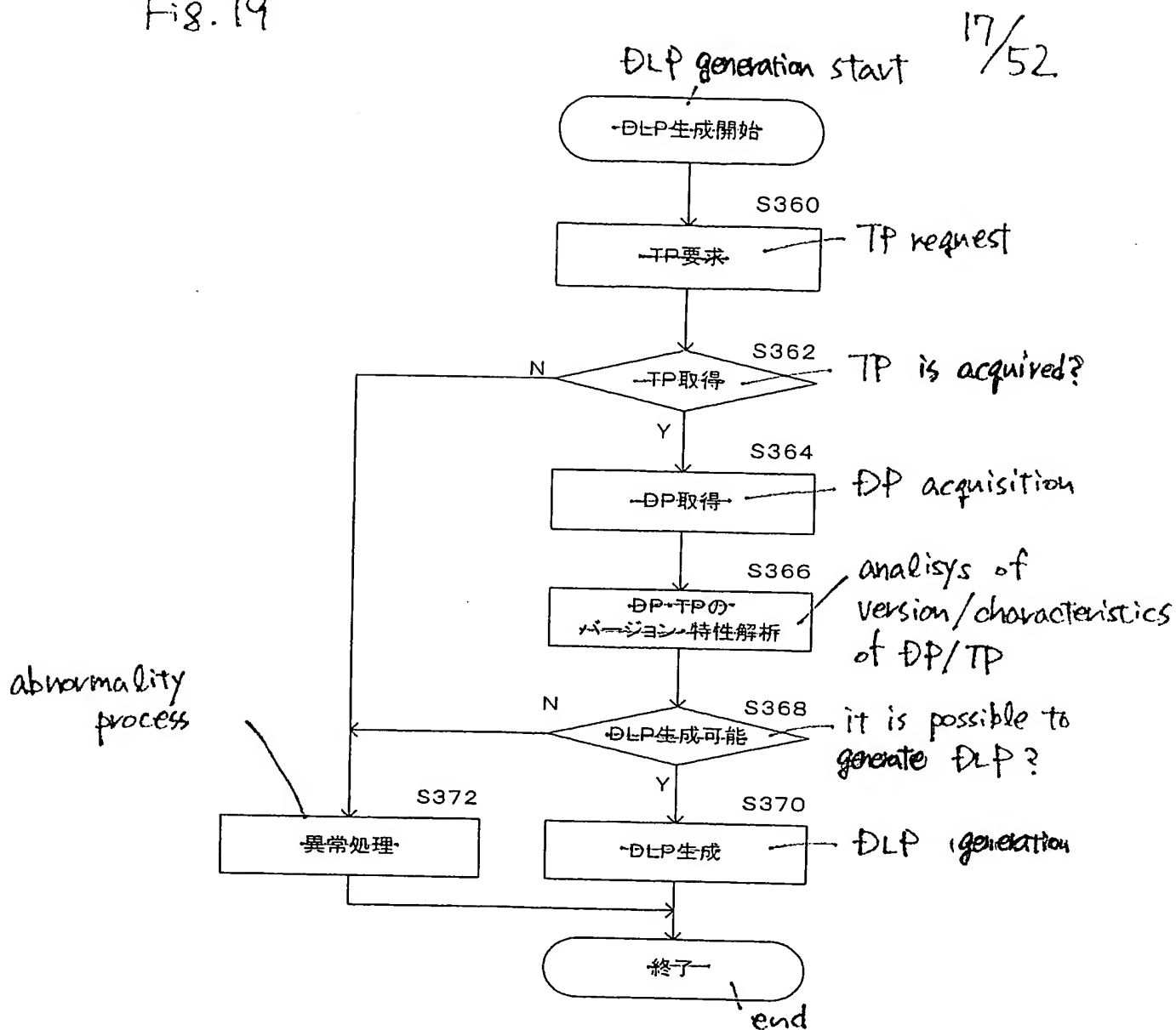
画像処理装置 42 (32)

image processing device

Fig. 18

606 REGISTRATION DB  
608 TRIAL DB  
610 VERSION MANAGEMENT SECTION  
612 AVAILABILITY DECISION SECTION  
614 RIP PROCESS SECTION  
616 DLP GENERATION SECTION  
620 TP ACQUISITION SECTION  
622 DP ACQUISITION SECTION  
624 DLP ACQUISITION SECTION  
626 COMMUNICATION CONTROL SECTION  
628 SEQUENCE CONTROL SECTION  
630 AUTHENTICATION PROCESS SECTION  
632 REGISTRATION PROCESS SECTION  
634 TRIAL CONTROL SECTION

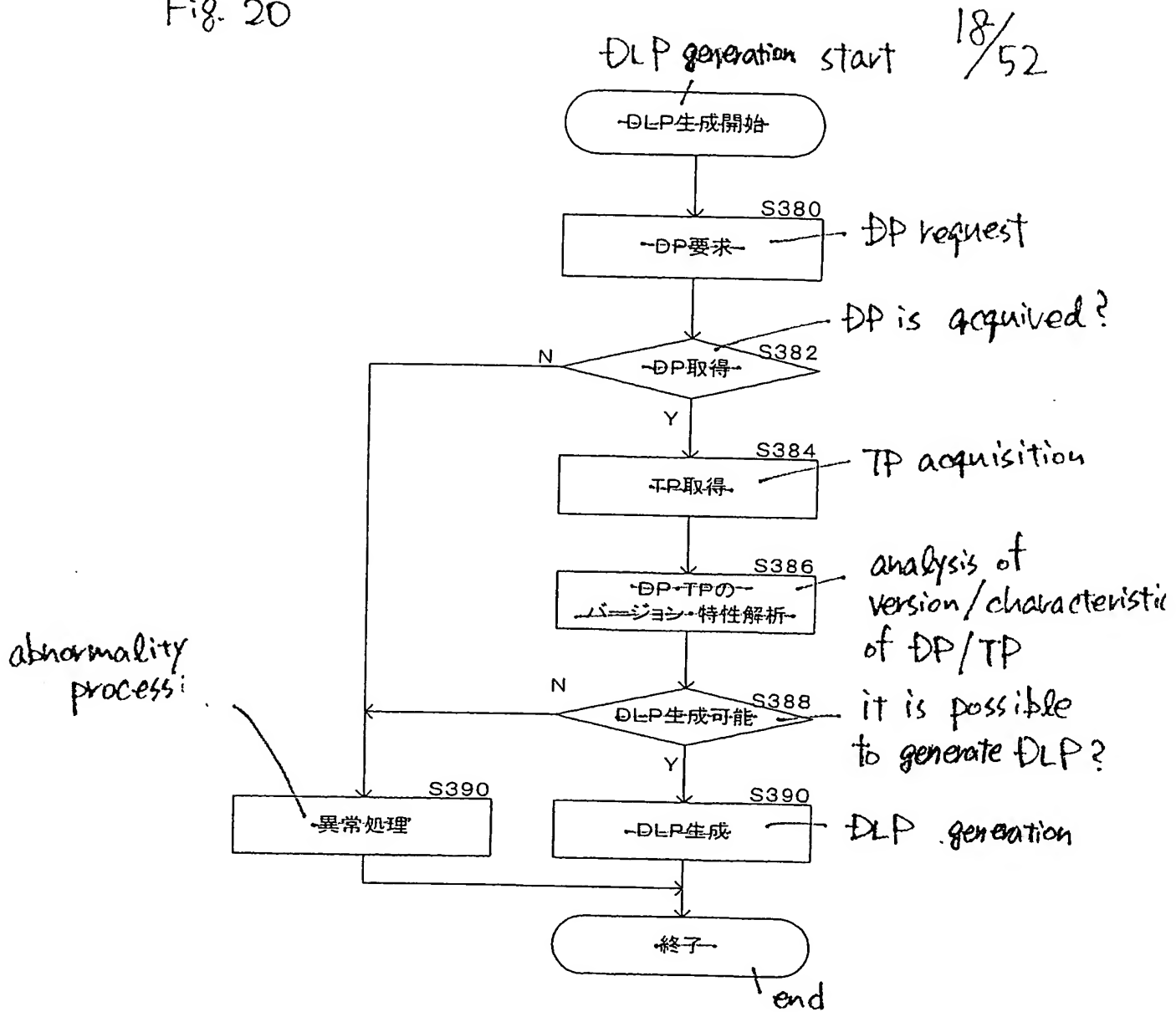
Fig. 19



ユーザシステム側でのDLP生成(S36)

DLP generation on user system side

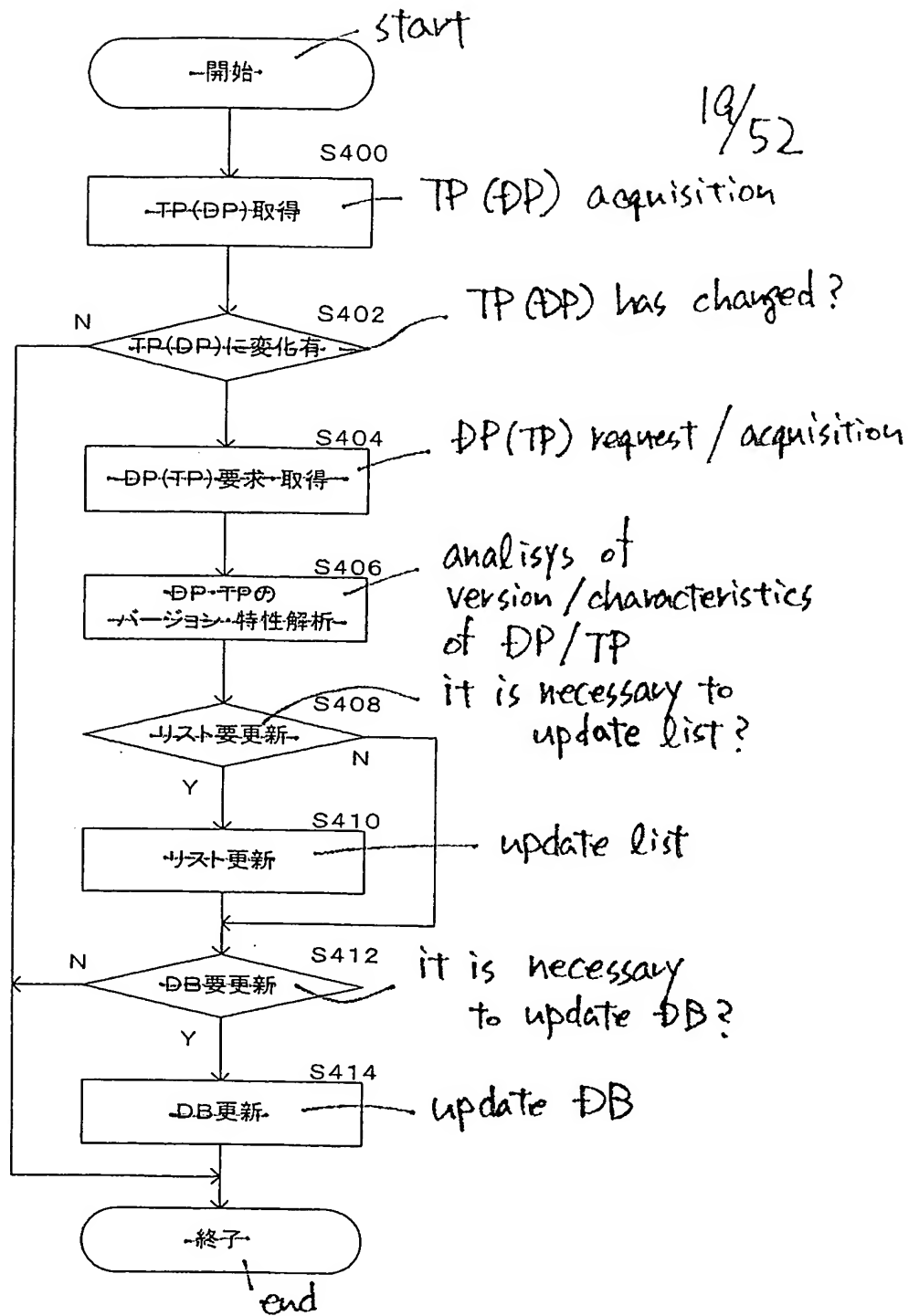
Fig. 20



プロフィール配信システム側での  
DLP生成(S38)

DLP generation on profile delivery  
system side

Fig.21



プロファイル配信システム側  
リスト・DB更新(S40)

list / DB update  
on profile delivery system side

Fig. 22

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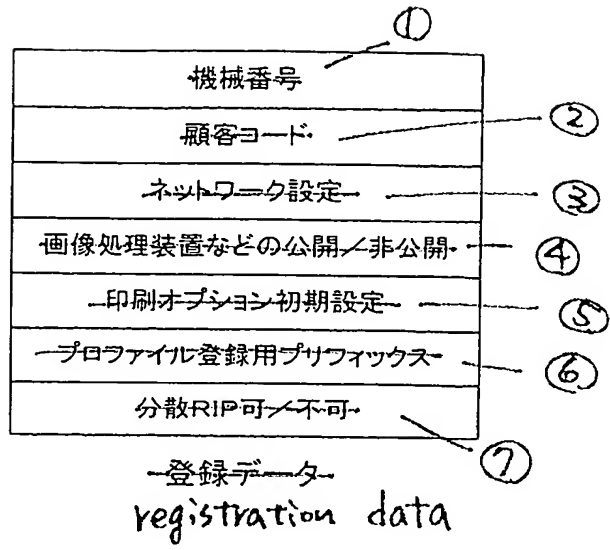


Fig. 22

- ① MACHINE NUMBER
- ② CUSTOMER CODE
- ③ NETWORK SETTING
- ④ PUBLIC/PRIVATE OF IMAGE PROCESSING DEVICE
- ⑤ INITIAL SETTING OF PRINT OPTION
- ⑥ PROFILE REGISTERING PREFIX
- ⑦ DECENTRALIZED RIP POSSIBLE/IMPOSSIBLE

Fig. 23

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①	依頼元	②
	用紙サイズ	③
	カラー／白黒	④
	印刷部数	⑤
	原稿タイプ	⑥
	画質モード	⑦
	プリンタモード	⑧
	色変換モード	⑨
	片面／両面	⑩
	拡大／等倍／縮小	⑪
	Nアツツ指定	⑫
	排出先指定	⑬
	スプールオプション	⑭
	RIP済データ保存	⑮
	差し込み印刷	⑯
	色変換(プロファイル)指定	⑰
	カバーページ	⑱
	用紙種類	⑲
	その他(時刻指定など)	⑳

印刷オプション

print option



Fig. 23

- ① REQUESTER
- ② PAPER SIZE
- ③ COLOR/BLACK-AND-WHITE
- ④ PRINTED NUMBER
- ⑤ DOCUMENT TYPE
- ⑥ PICTURE QUALITY MODE
- ⑦ PRINTER MODE
- ⑧ COLOR CONVERSION MODE
- ⑨ SINGLE/DOUBLE SIDES
- ⑩ MAGNIFY/EQUAL/REDUCE
- ⑪ N-UP DESIGNATION
- ⑫ DESTINATION OF DISCHARGE
- ⑬ SPOOL OPTION
- ⑭ RIP PROCESSED DATA STORAGE
- ⑮ MERGING PRINT
- ⑯ COLOR CHANGE (PROFILE) DESIGNATION
- ⑰ COVER PAGE
- ⑱ PAPER KIND
- ⑲ OTHERS (TIME DESIGNATION)

Fig. 24

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①	依頼元	
	RIPステータス	②
	カラー／白黒	③
	画質モード	④
	プリンタモード	⑤
	用紙サイズ	⑥
	処理部数	⑦
	RIPページ	⑧
	RIP時間	⑨
	開始時間	⑩
	ファイルサイズ	⑪
	カバーページ有／無	⑫
	RIP済データ有／無	⑬
	色変換(プロファイル)指定	⑭
	分散RIP	⑮

RIPデータ

RIP data

Fig. 24

- ① REQUESTER
- ② RIP STATUS
- ③ COLOR/BLACK-AND-WHITE
- ④ PICTURE QUALITY MODE
- ⑤ PRINTER MODE
- ⑥ PAPER SIZE
- ⑦ NUMBER OF PRINTS TO BE PROCESSED
- ⑧ RIP PAGE
- ⑨ RIP TIME
- ⑩ START TIME
- ⑪ FILE SIZE
- ⑫ PRESENCE/ABSENCE OF COVER PAGE
- ⑬ PRESENCE/ABSENCE OF RIP-PROCESSED DATA
- ⑭ COLOR CONVERSION (PROFILE) DESIGNATION
- ⑮ DECENTRALIZED RIP

Fig. 25

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処理種別(RIP／印刷)	①
課金先(依頼元)	②
カラー／白黒	③
用紙サイズ	④
処理部数	⑤
ページ数	⑥
カバーページ有／無	⑦
用紙種類	⑧
片面／両面	⑨
分散RIP	⑩

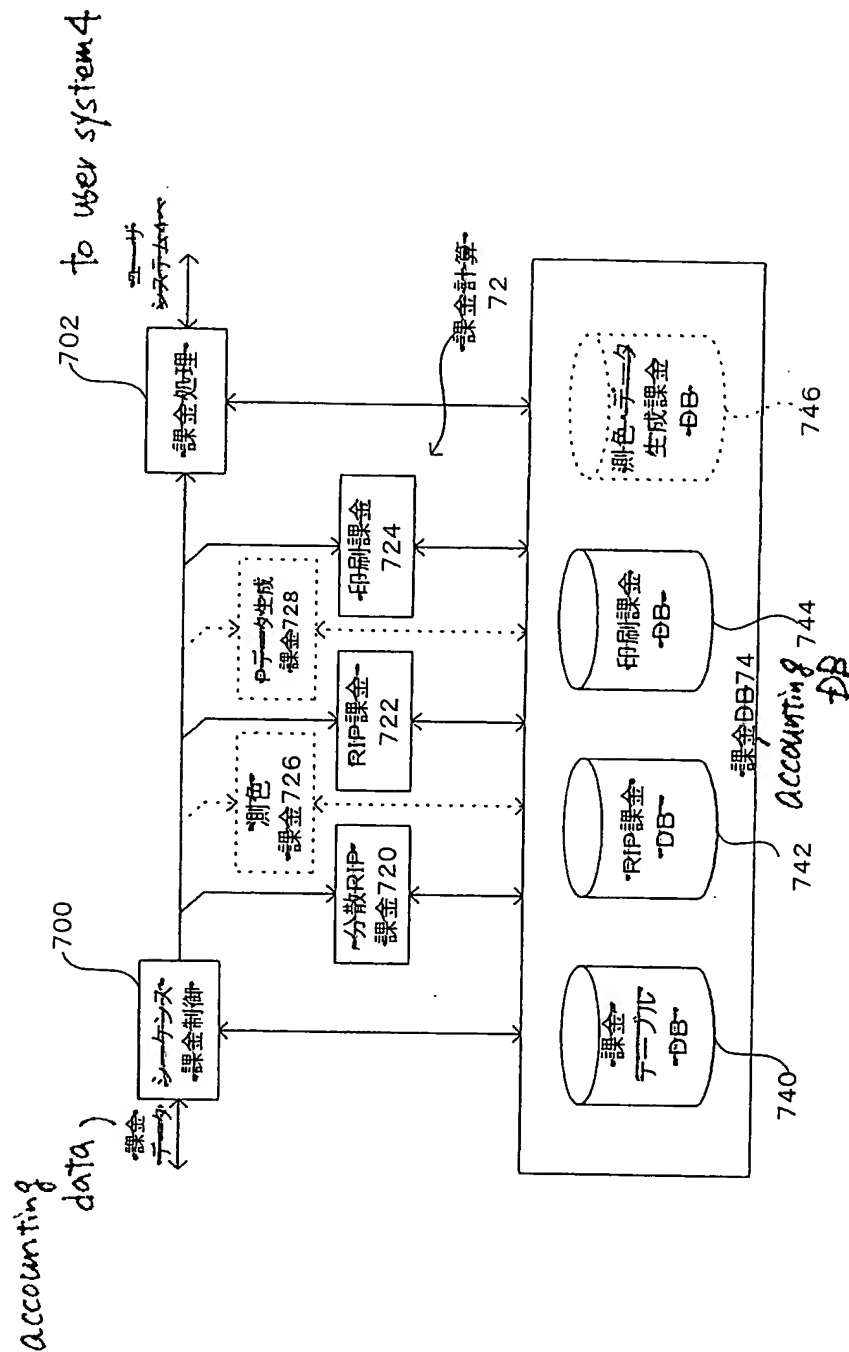
印刷データ

print data

Fig. 25

- ① PROCESSING KIND (RIP/PRINT)
- ② ACCOUNTING TARGET (REQUESTER)
- ③ COLOR/WHITE-AND-BLACK
- ④ PAPER SIZE
- ⑤ NUMBER OF PRINTS TO BE PROCESSED
- ⑥ PAGE NUMBER
- ⑦ PRESENCE/ABSENCE OF COVER PAGE
- ⑧ PAPER KIND
- ⑨ SINGLE/DOUBLE SIDES
- ⑩ DECENTRALIZED RIP

Fig. 26



課金プログラム70  
accounting program

Fig. 26

700 SEQUENCE/ACCOUNTING CONTROL SECTION  
702 ACCOUNTING PROCESS SECTION  
720 DECENTRALIZED RIP ACCOUNTING SECTION  
722 RIP ACCOUNTING SECTION  
724 PRINT ACCOUNTING SECTION  
726 COLORIMETRY ACCOUNTING SECTION  
728 P-DATA GENERATION ACCOUNTING SECTION  
740 ACCOUNTING TABLE DB  
742 RIP ACCOUNTING DB  
744 PRINT ACCOUNTING DB  
746 COLORIMETRY/DATA GENERATION ACCOUNTING DB

Fig. 27

user system

image processing device

print system

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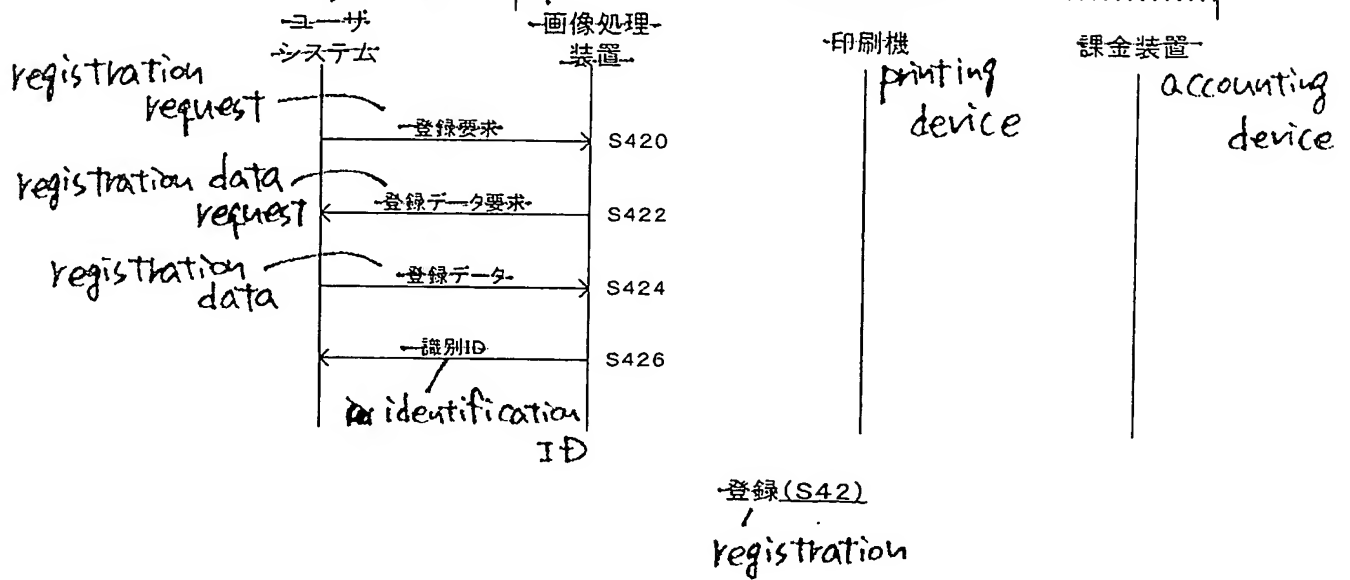




Fig. 28

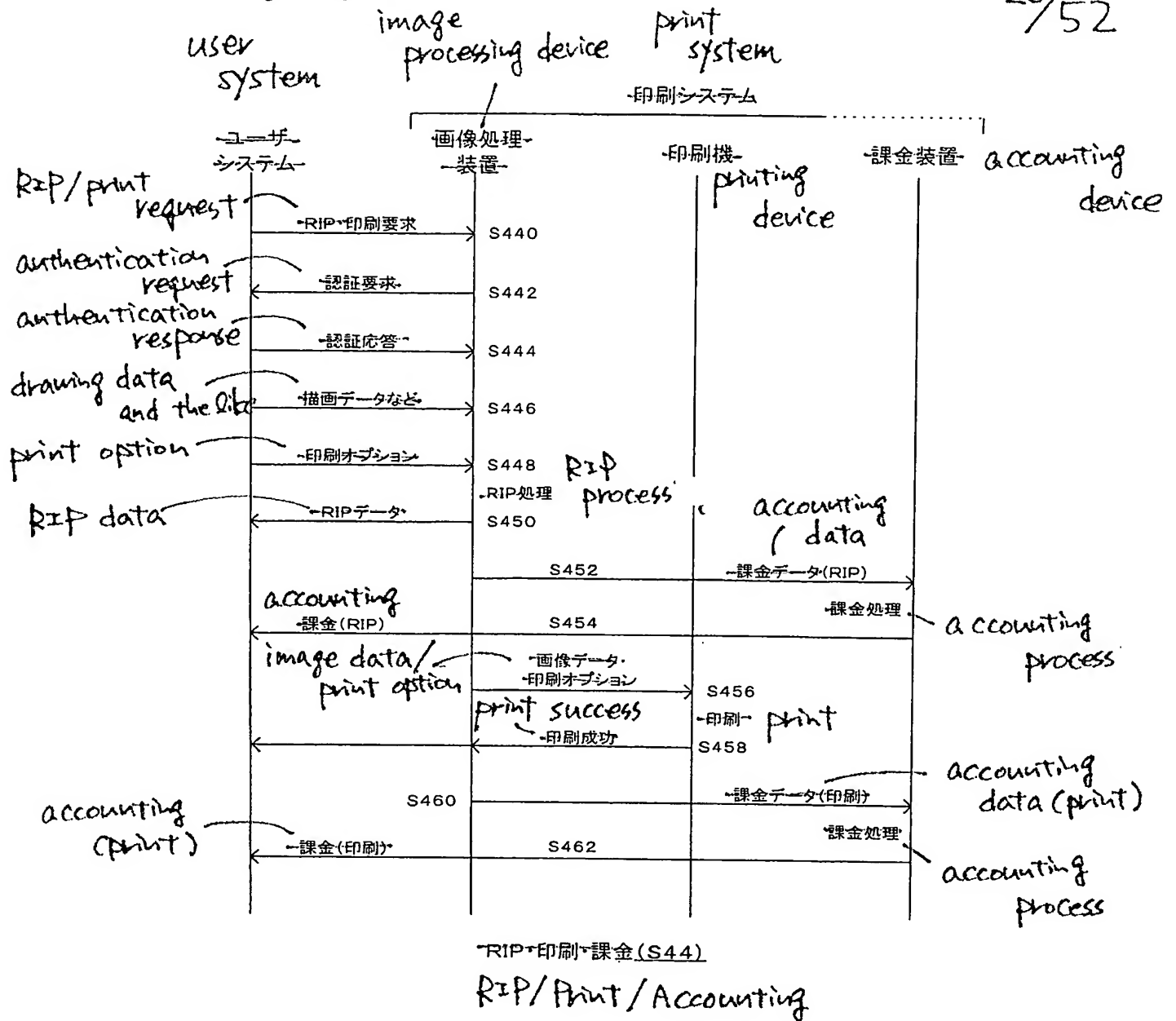
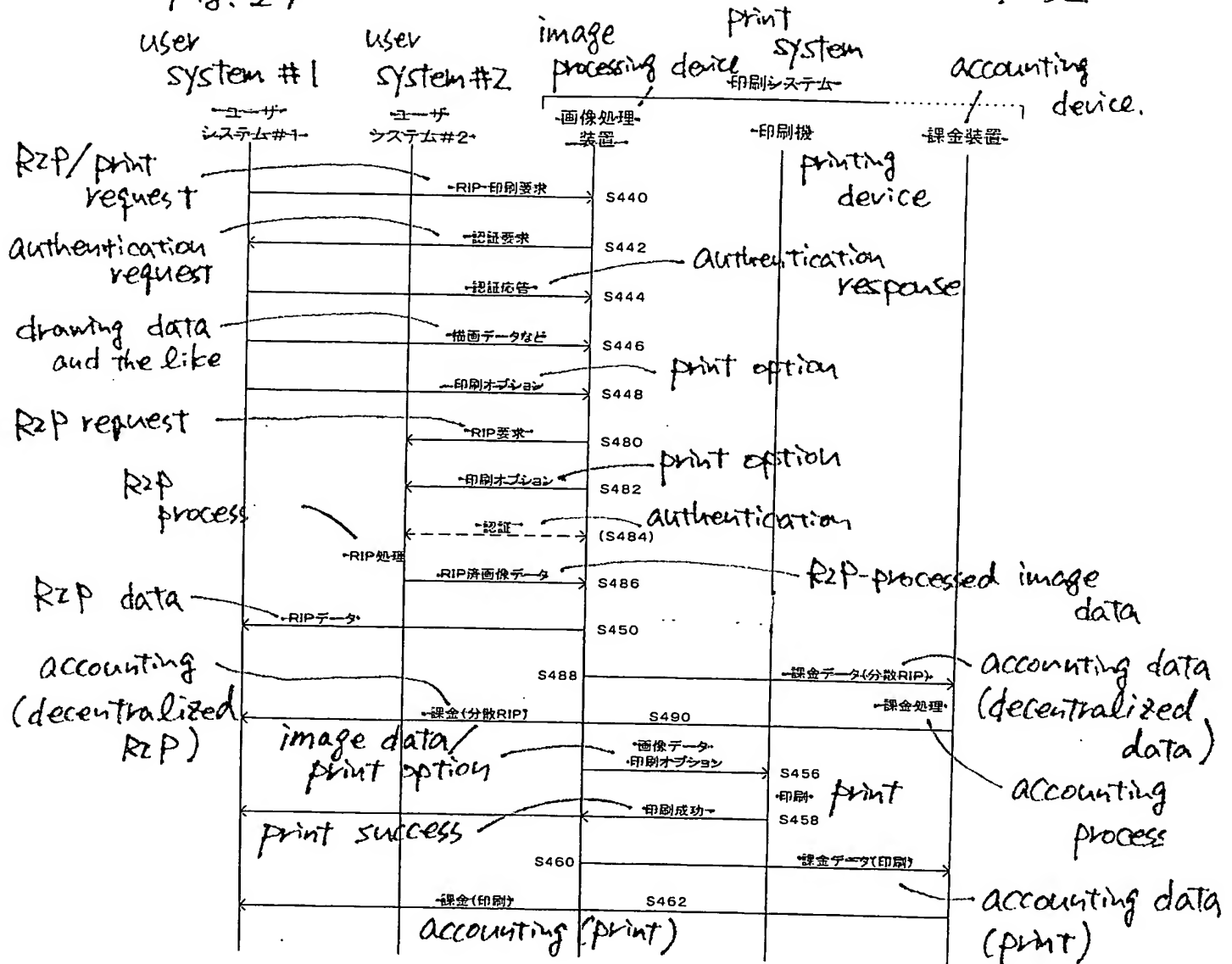


Fig. 29



分散RIP・印刷・課金 (S48)

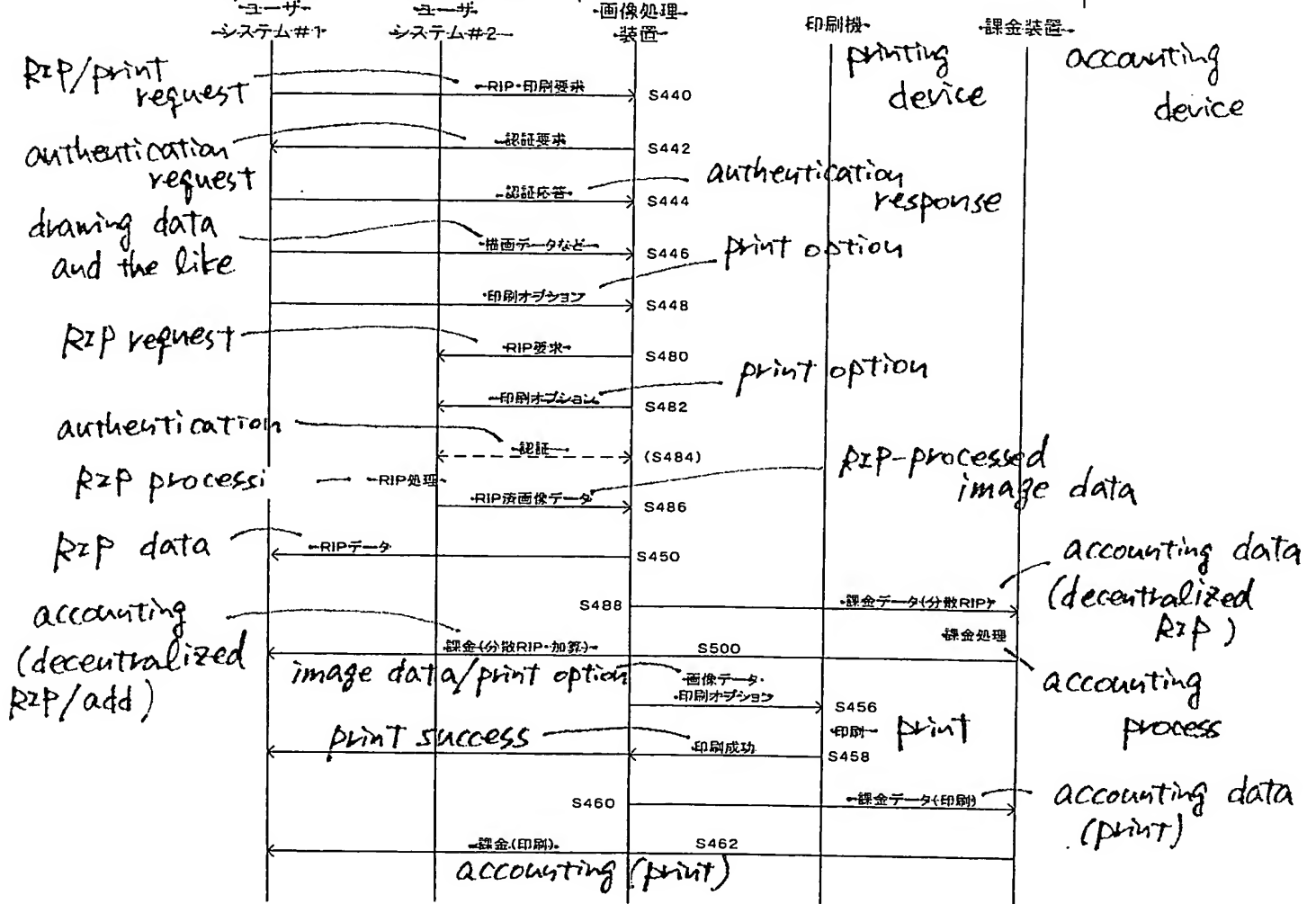
decentralized RZP/print/accounting

Fig. 30  
user  
system #1

user  
system #2

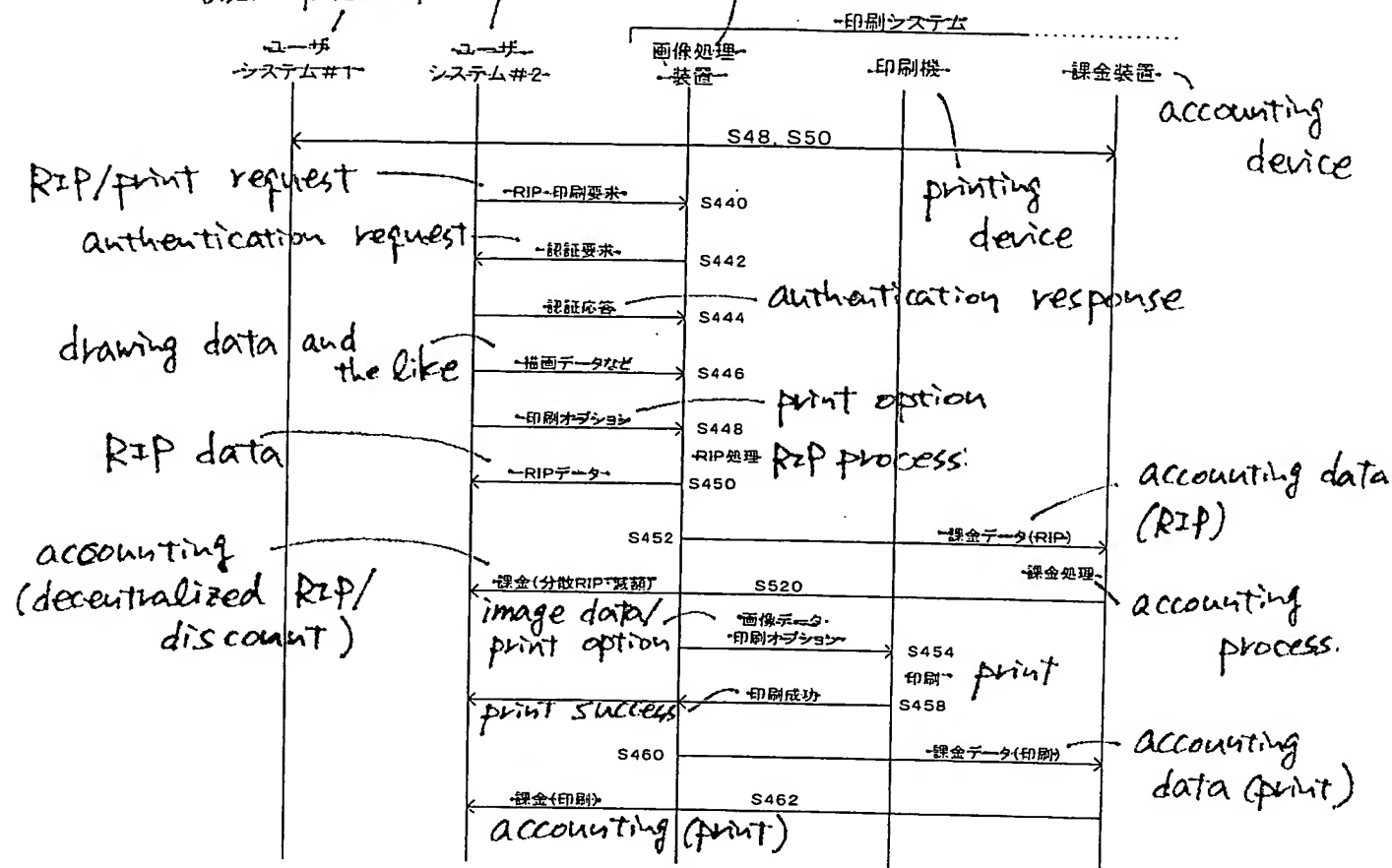
image processing  
device  
print system  
/

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分散RIP・印刷・割り増し課金(S50)

decentralized RIP/print/  
extra accounting



分散RIP・印刷・割引き引き課金(S52)

decentralized RIP/print/discount

【図3-2】

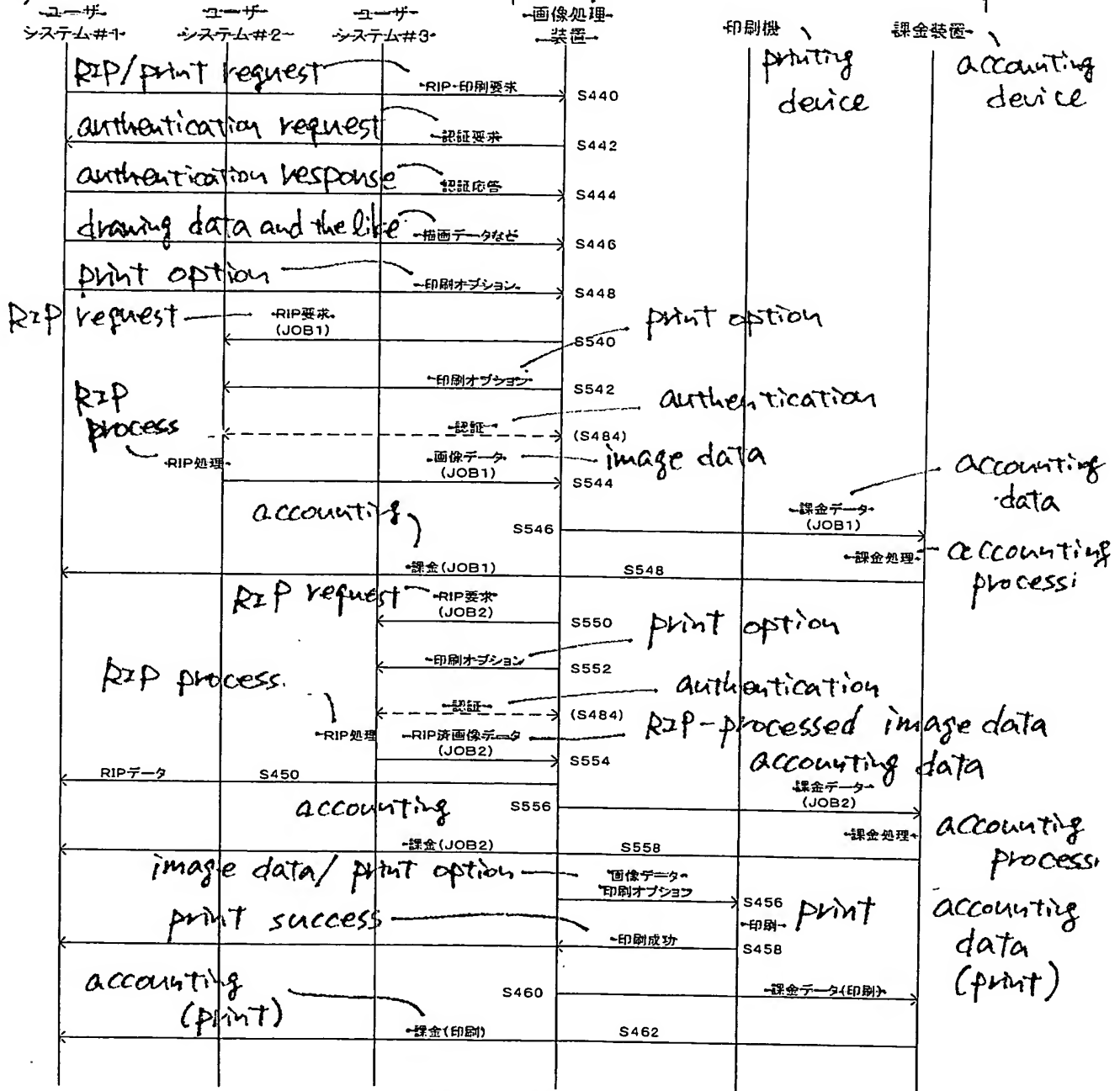
Fig. 32  
user system #1

user system #2

user system #3

image processing device (print system)  
印刷システム

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分散RIP-印刷-割増課金(S54)  
decentralized RIP/print/extra accounting

Fig. 33  
user system

accounting information

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received decentralized RIP

ユーザシステム	課金情報	
#1	通常RIP	normal RIP
	要求した分散RIP	requested decentralized RIP
	受け入れた分散RIP	JOB-ii
	印刷	print
normal #2	通常RIP	JOB-i
	要求した分散RIP	JOB-ii, JOB-iii
	受け入れた分散RIP	
	印刷	JOB-i, JOB-ii, JOB-iii
#2	通常RIP	normal
	要求した分散RIP	JOB-iii
	受け入れた分散RIP	
	印刷	print

target of extra accounting

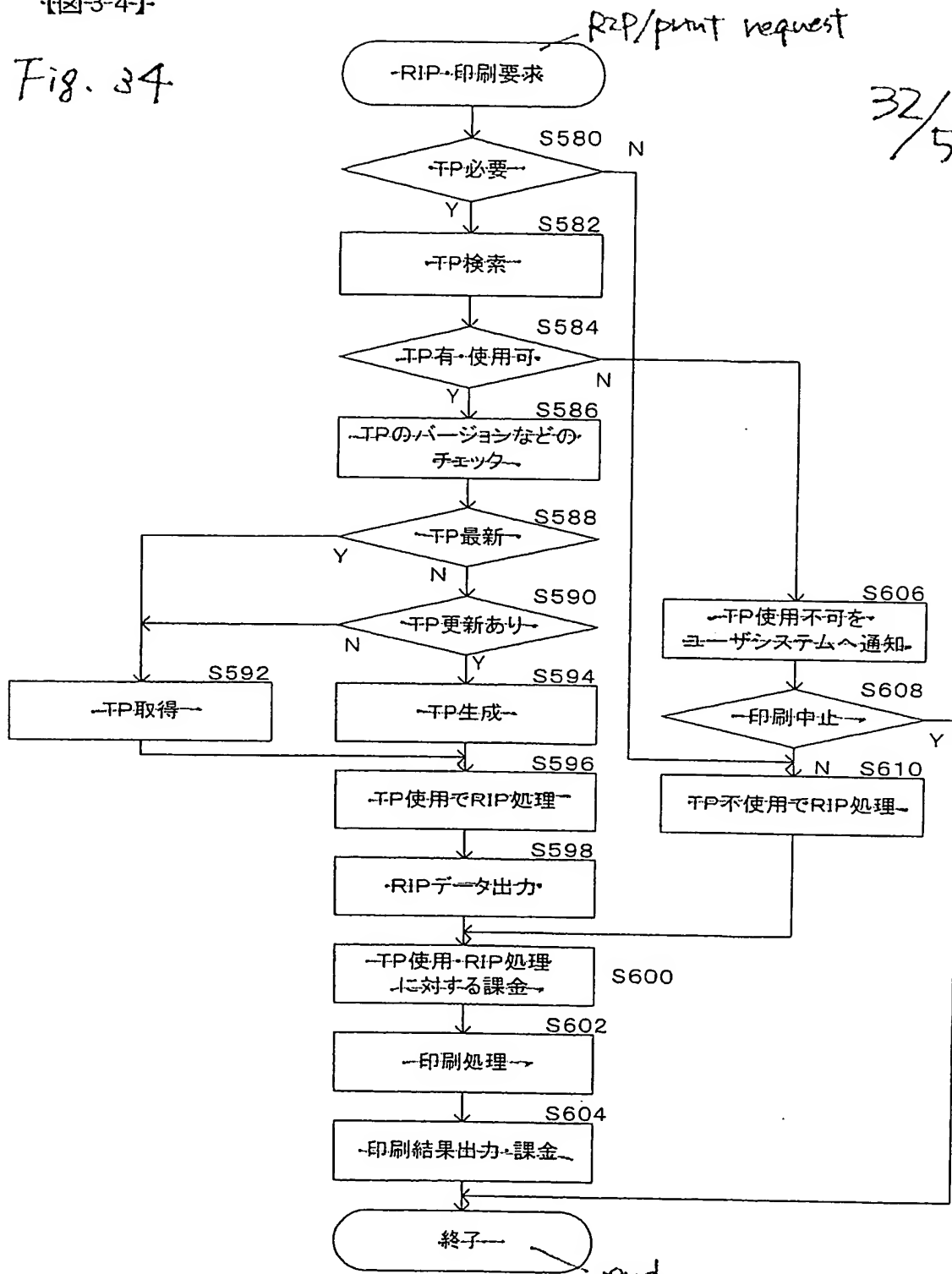
← 割り増し課金対象

← 割り引き課金対象

target of discount.

Fig. 34

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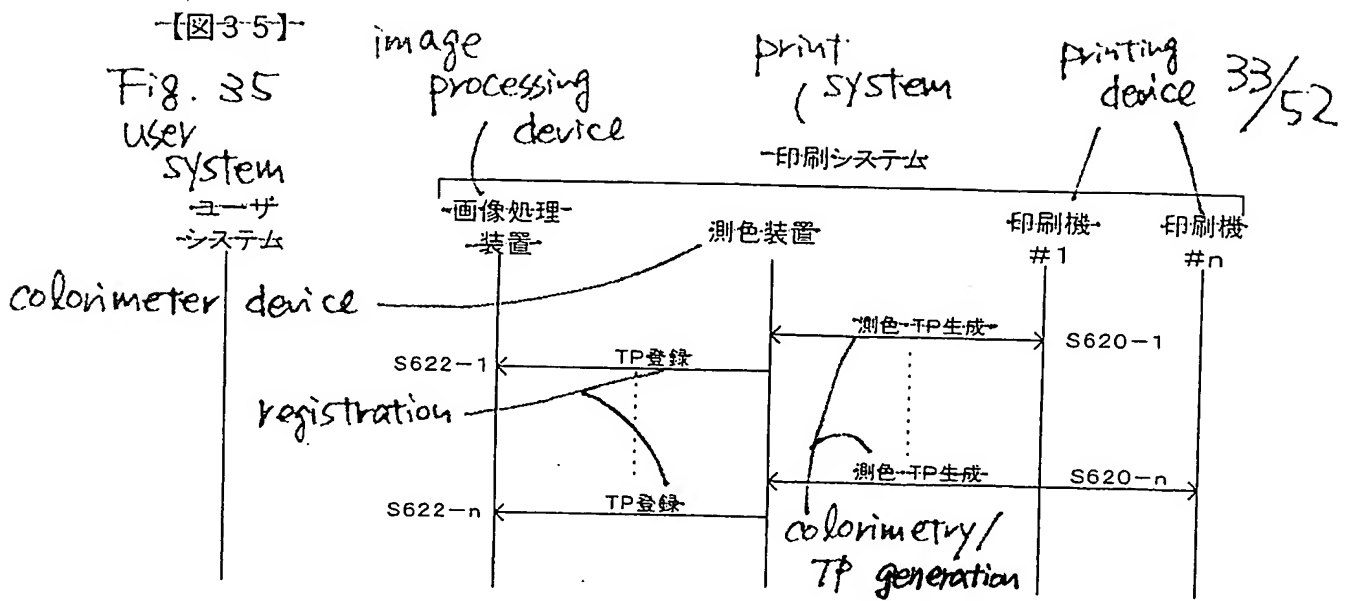
TP検索・RIP・印刷(S58)

TP retrieval / RIP / print

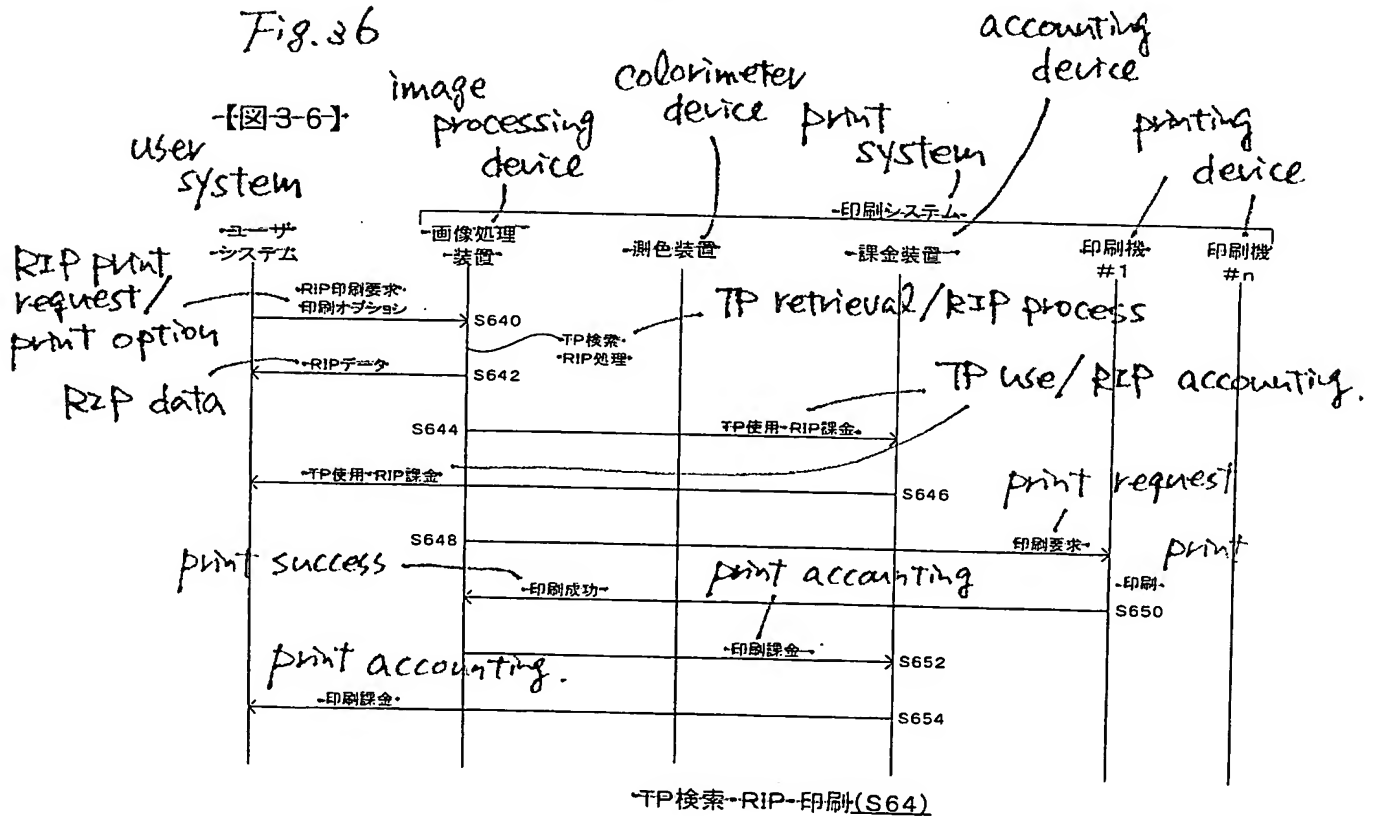
Fig. 34

S580 TP IS NECESSARY ?  
S582 TP RETRIEVAL  
S584 TP EXISTS/IS AVAILABLE?  
S586 CHECK TP VERSION  
S588 LATEST TP ?  
S590 TP HAS BEEN UPDATED ?  
S592 TP ACQUISITION  
S594 TP GENERATION  
S596 RIP PROCESS USING TP  
S598 OUTPUT RIP DATA  
S600 ACCOUNT FOR TP USE/RIP PROCESS  
S602 PRINT PROCESS  
S604 OUTPUT PRINT RESULT/ACCOUNT  
S606 INFORM USER SYSTEM OF UNAVAILABILITY OF TP  
S608 PRINT IS TERMINATED?  
S610 RIP PROCESSING WITHOUT TP



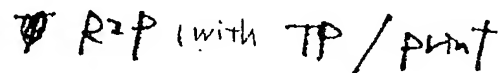


TP generation / registration (S62)



TP retrieval / RIP / print (S64)

TP retrieval / RIP / print



【図3-8】

Fig. 38  
user system

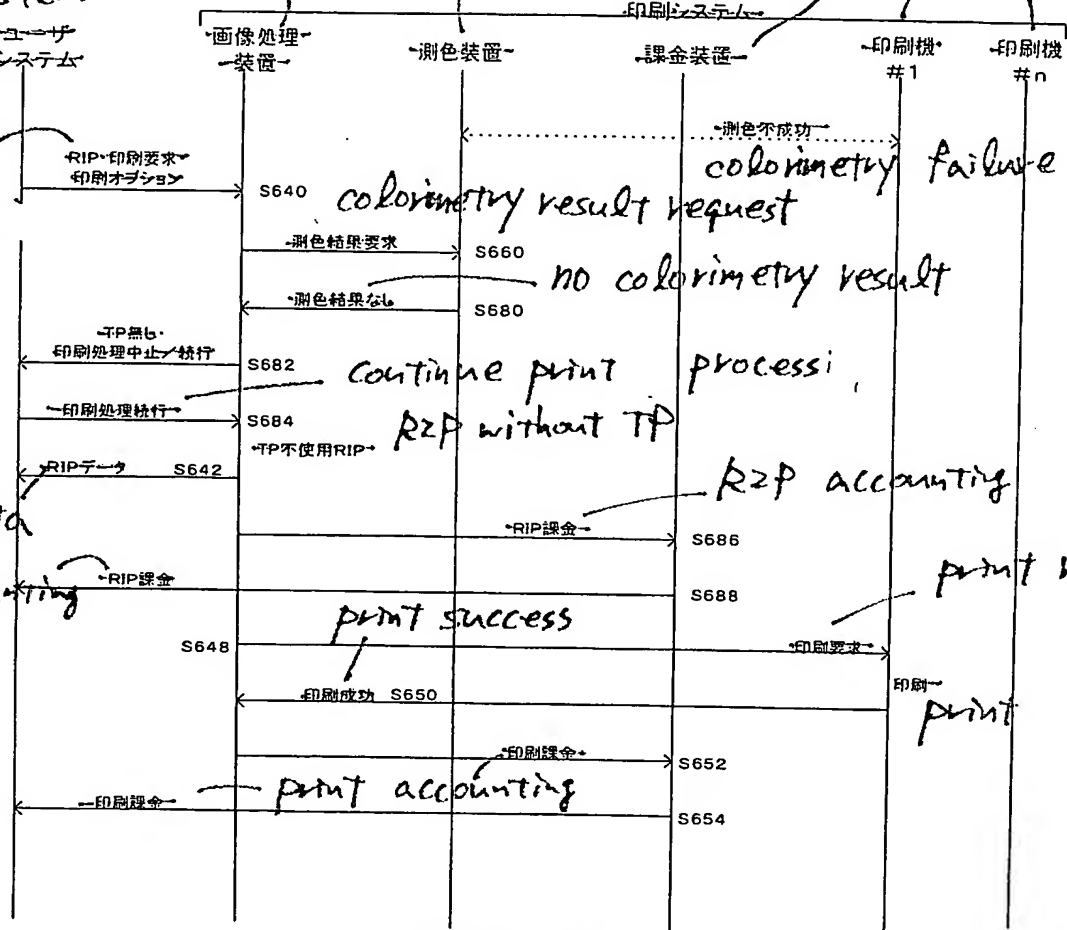
image processing device / colorimeter device / print system / accounting device / printing device 35/52

RIP/print request / print option

no TP / terminate print process / continue

RIP data

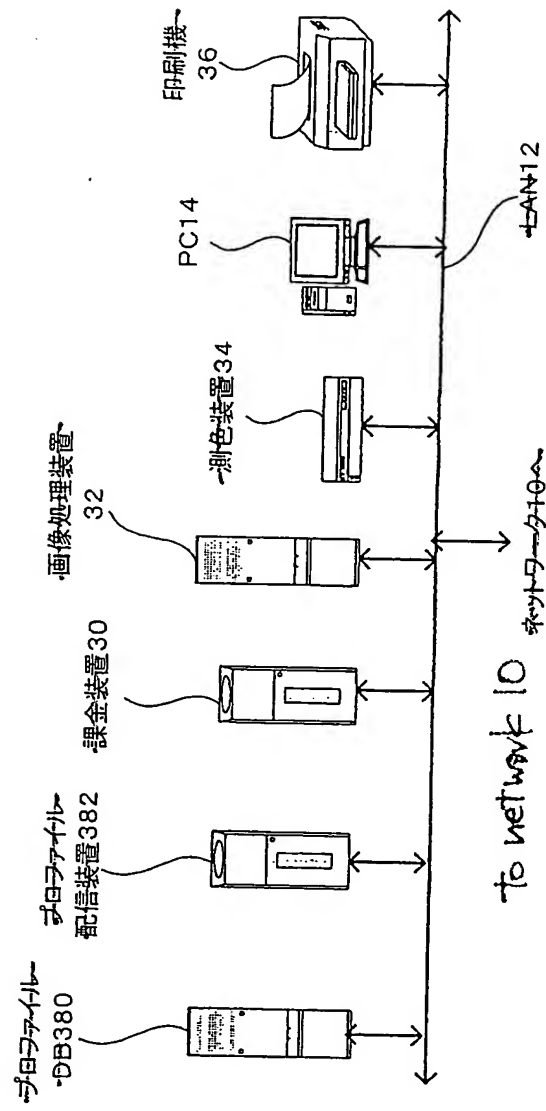
RIP accounting



TP不使用RIP・印刷(S68)

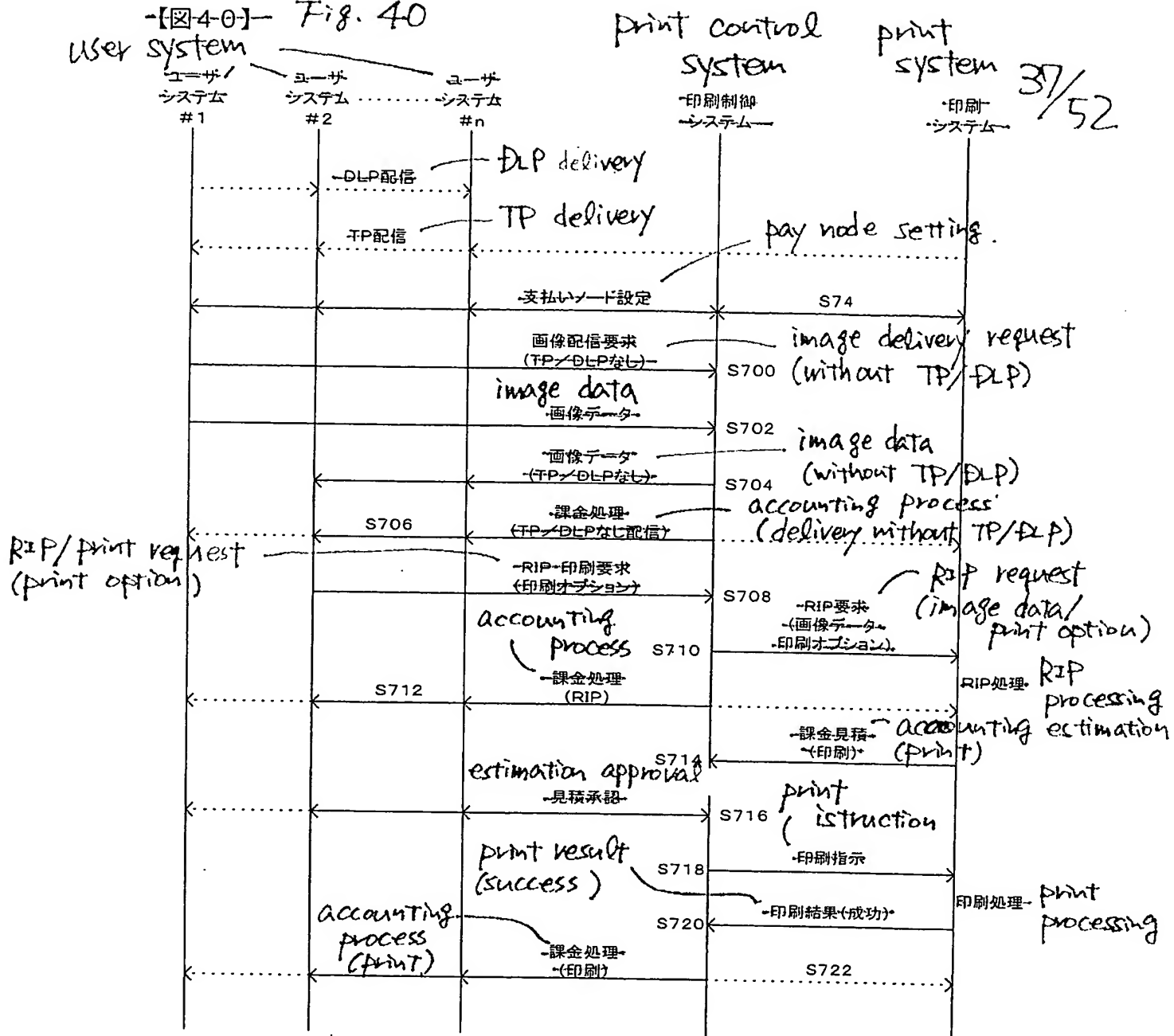
RIP without TP/print

Fig. 39



印刷システム38

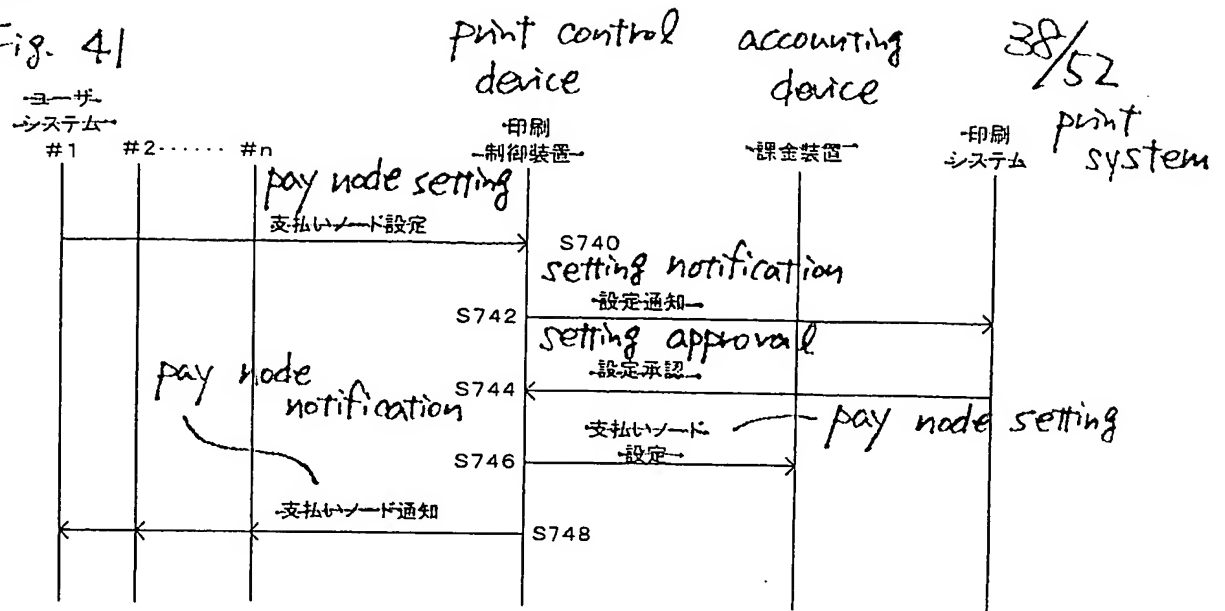
-【図4-0】- Fig. 40



TP/DLPなしデータ配信〜印刷 (S70)

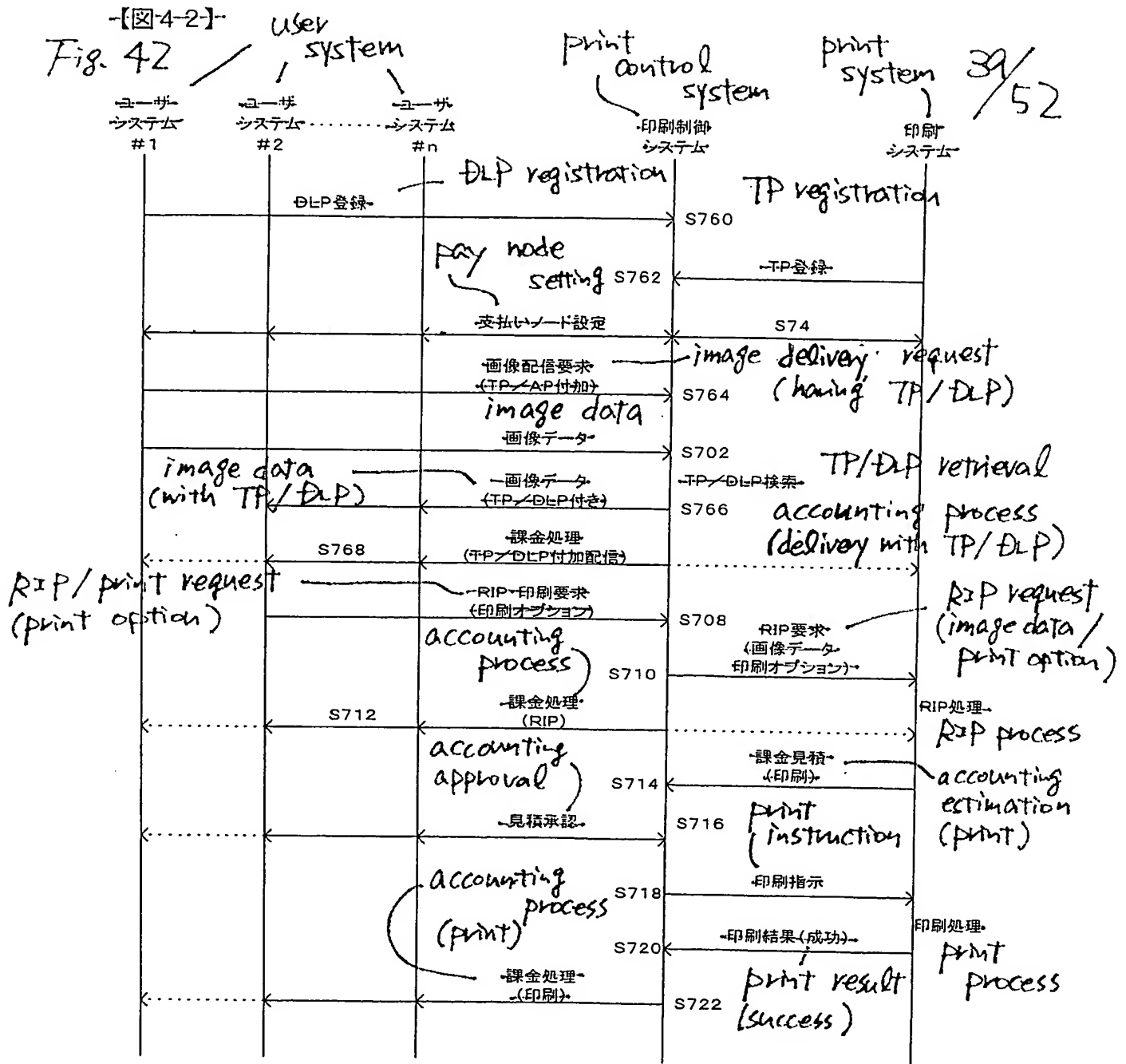
delivery of data without TP/DLP ~ print

Fig. 41



支払いノード設定(S74)  
pay node setting.

Fig. 42

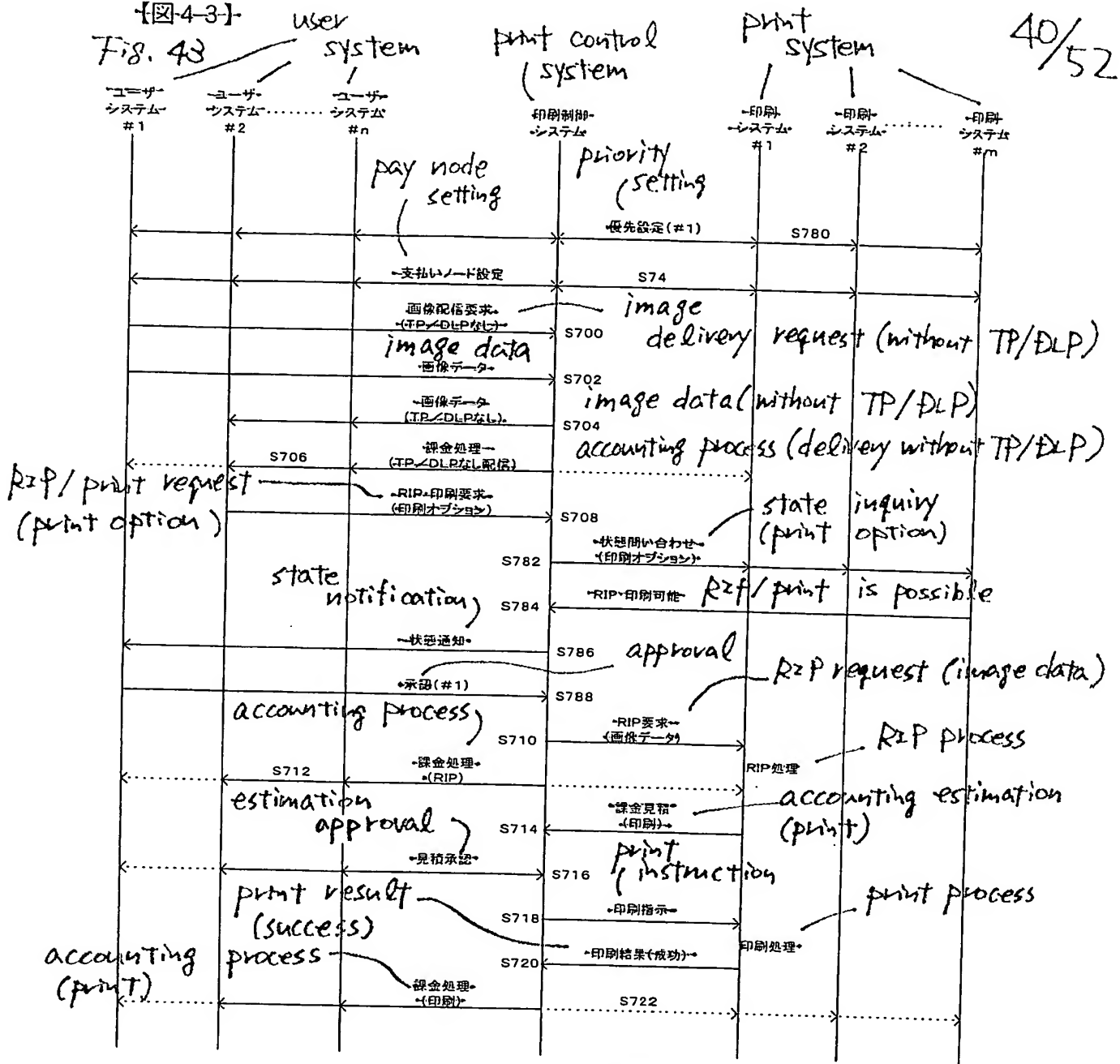


TP/DLP付きデータ配信 ~ 印刷  
(S76)

data delivery with TP/DLP ~ print

【図4-3】  
Fig. 43

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TP/DLPなしデータ配信~印刷~  
(S78)

data delivery without TP/DLP ~ print



【図4-4】

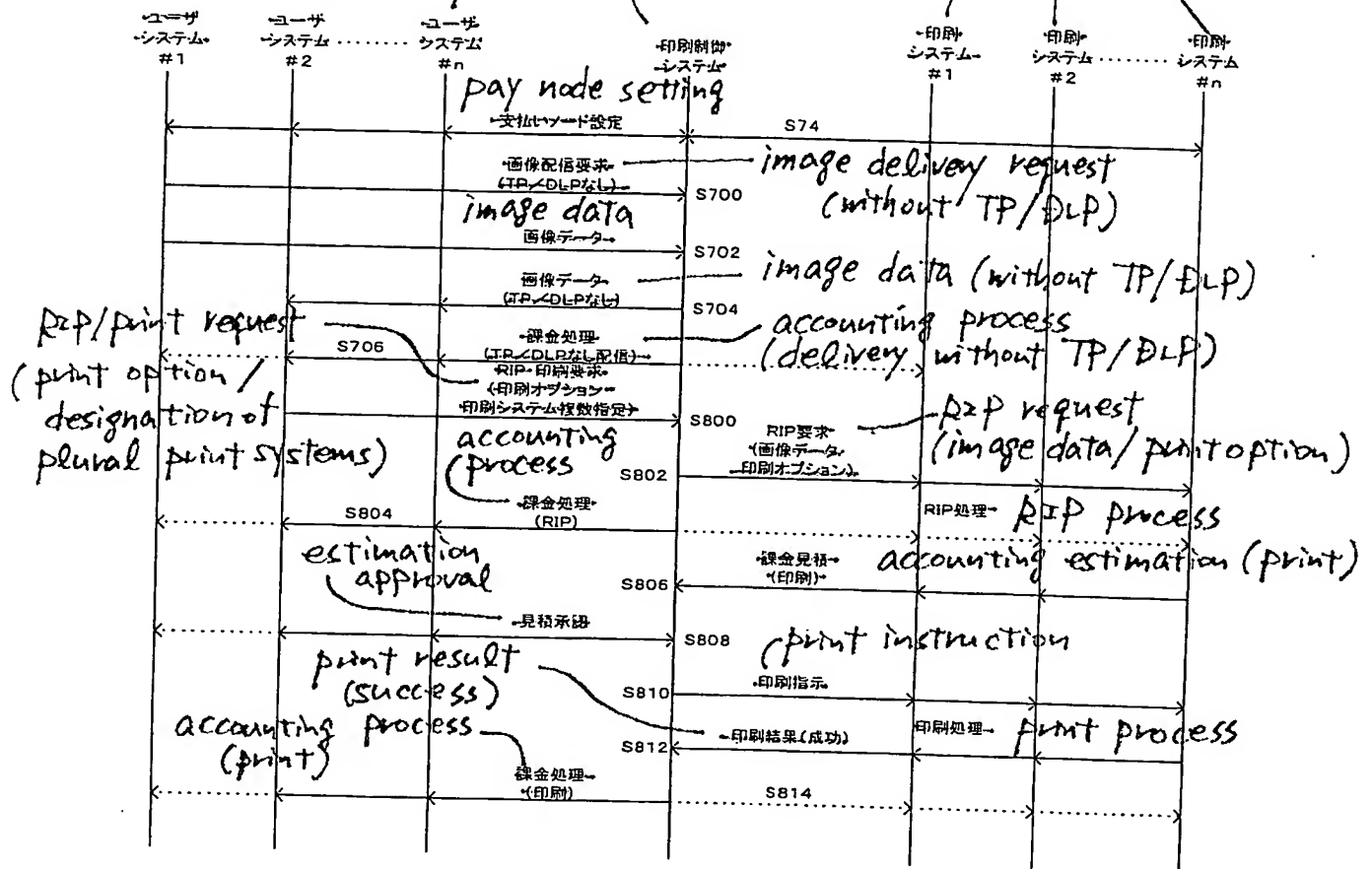
Fig. 44

user system

print control system

print system

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data delivery without TP/DLP ~ print

Fig. 45

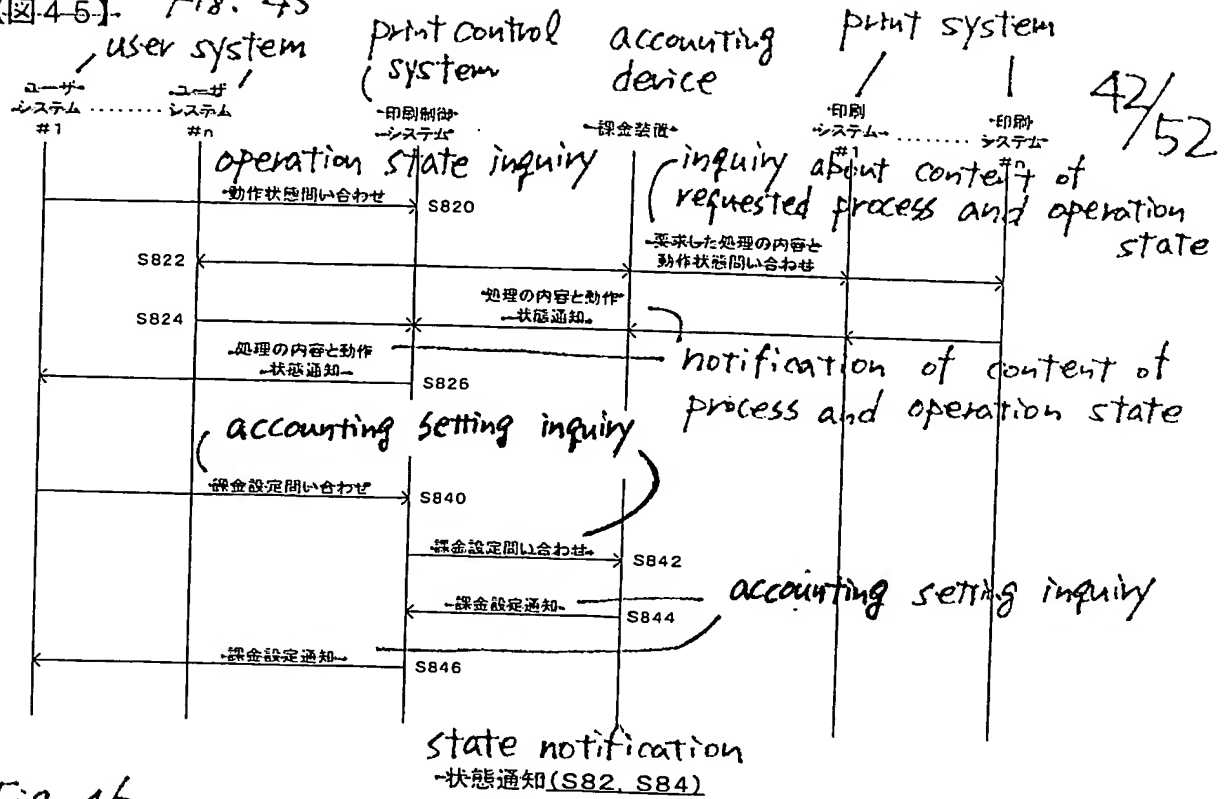


Fig. 46

Fig. 46

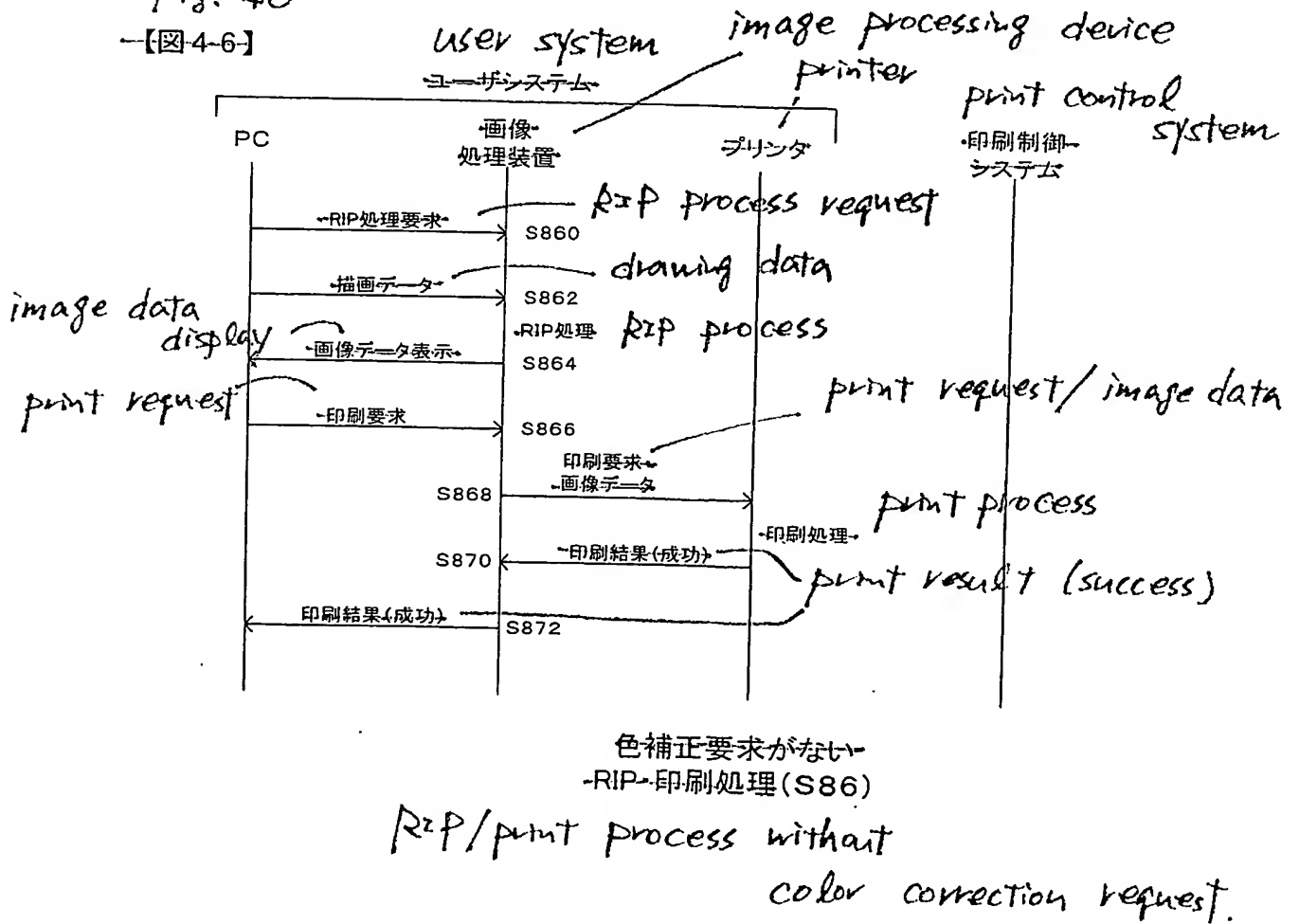
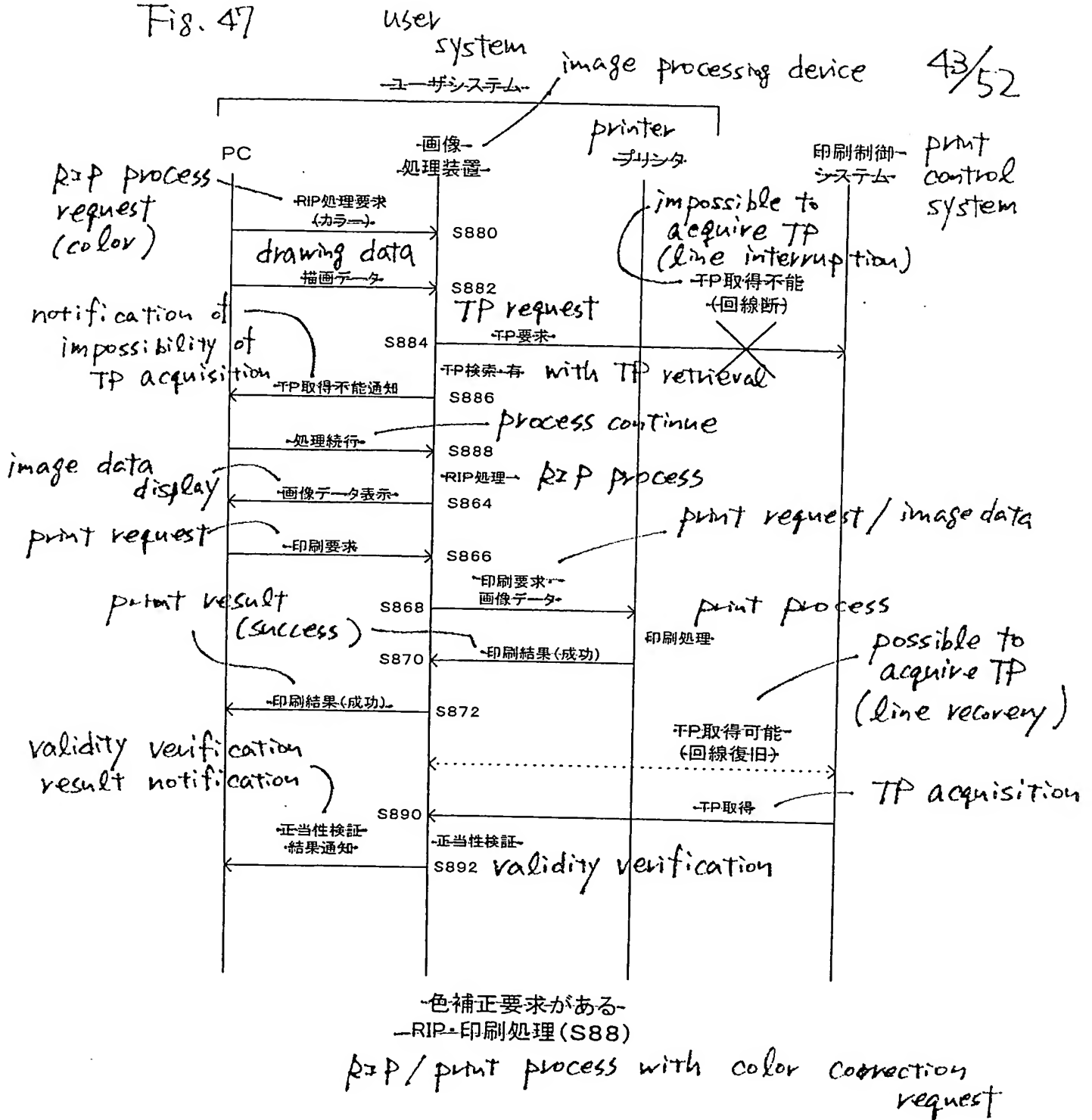


Fig. 47



user system

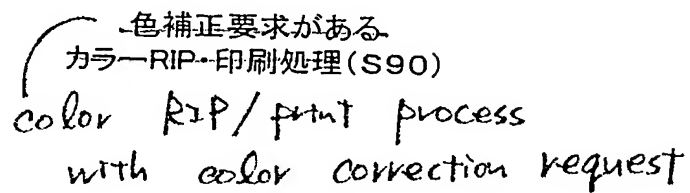


Fig. 49

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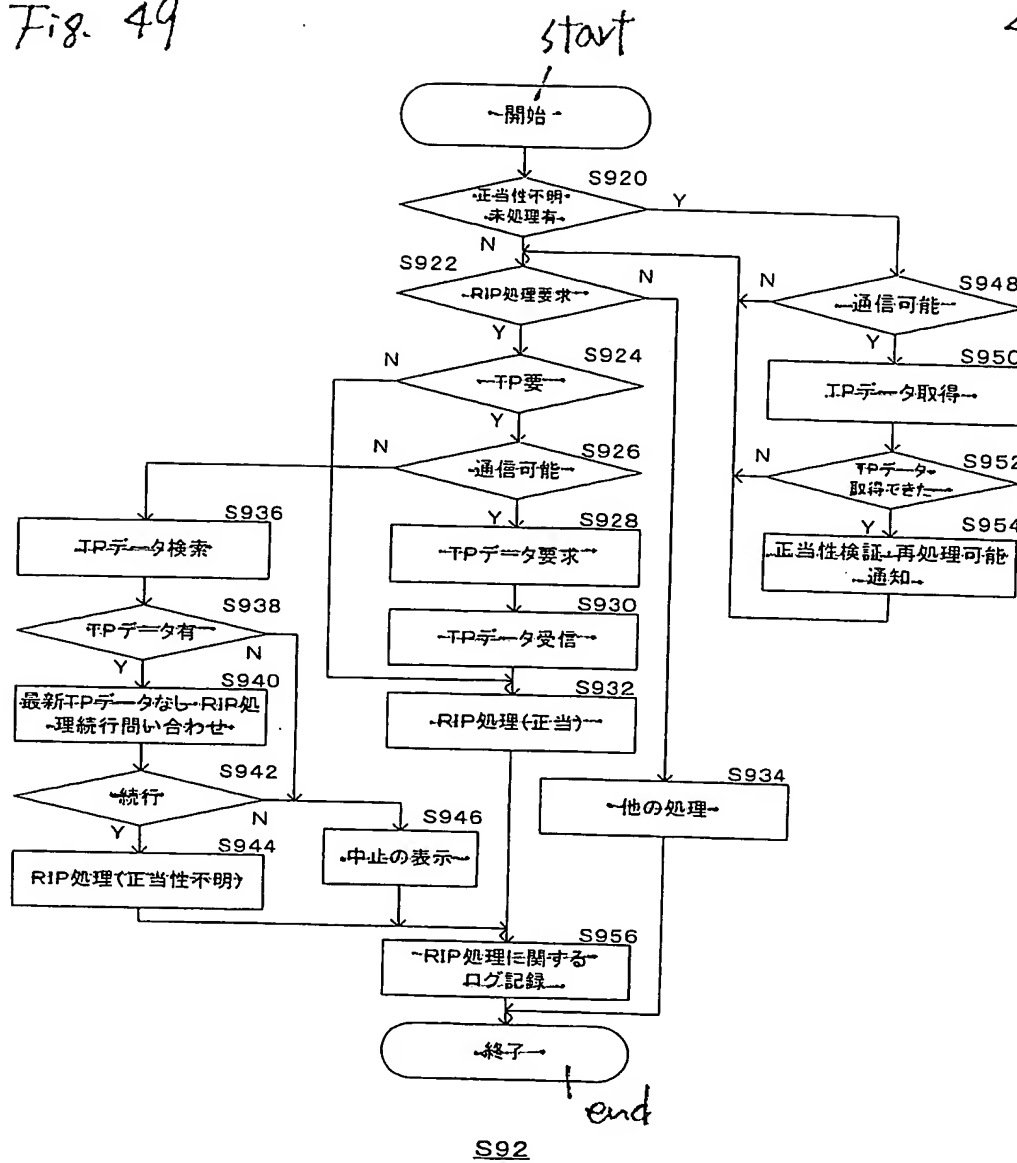
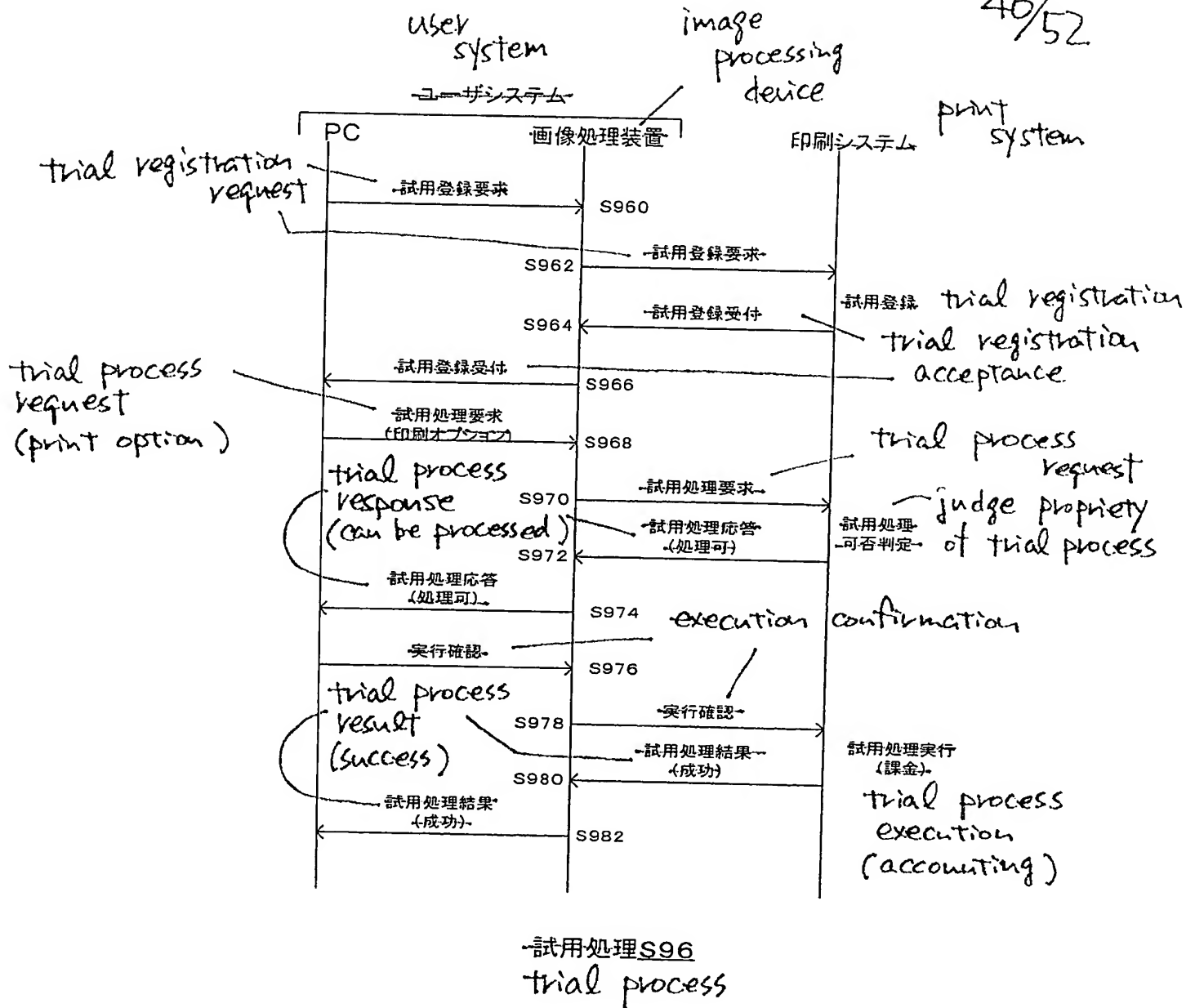
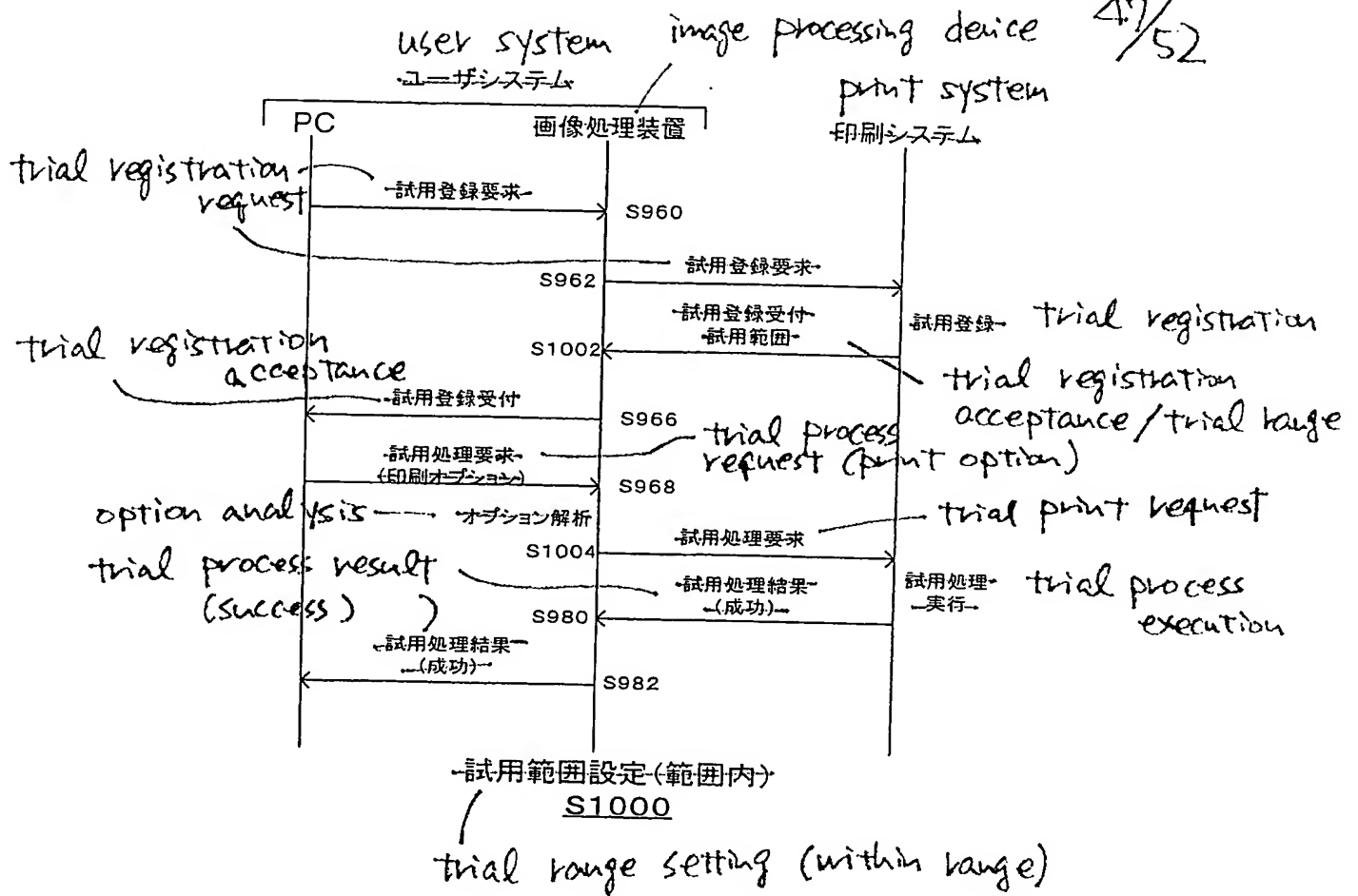


Fig. 49

S920 VALIDITY IS UNKNOWN / THERE IS UNPROCESSED?  
S922 RIP PROCESS IS REQUESTED?  
S924 TP IS NECESSARY?  
S926 COMMUNICATABLE?  
S928 REQUEST TP DATA  
S930 RECEIVE TP DATA  
S932 RIP PROCESS (VALID)  
S934 OTHER PROCESSES  
S936 RETRIEVE TP DATA  
S938 TP DATA EXISTS?  
S940 THERE ISN'T LATEST TP DATA/ INQUIRE CONTINUATION OF RIP  
PROCESS  
S942 CONTINUE?  
S944 RIP PROCESS (VALIDITY UNKNOWN)  
S946 DISPLAY TERMINATION  
S948 COMMUNICATABLE?  
S950 ACQUIRE TP DATA  
S952 TP DATA IS ACQUIRED?  
S954 VERIFY VALIDITY / NOTIFY RE-PROCESSABLE  
S956 RECORD LOG ON RIP PROCESS

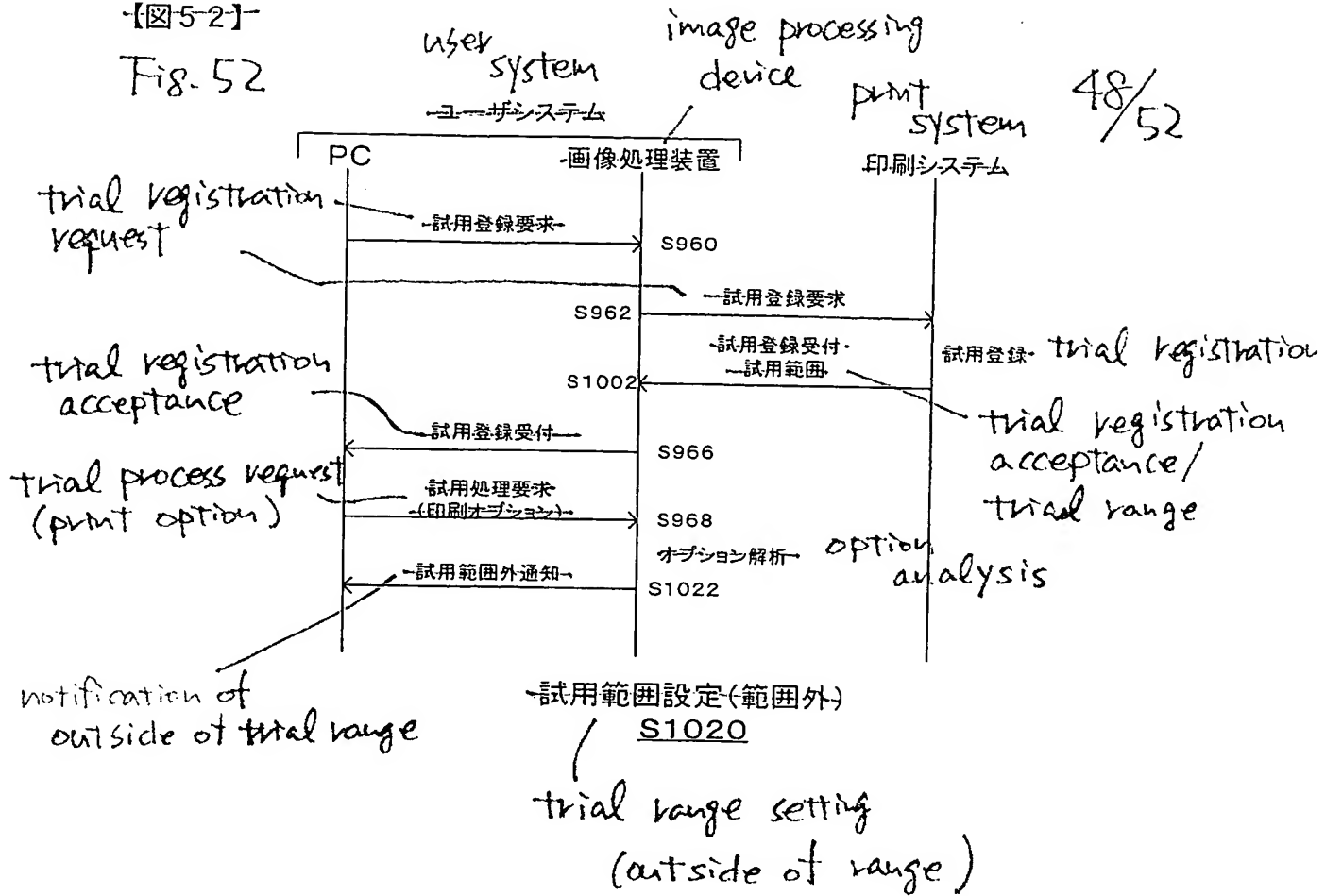






・[図5-2]

Fig. 52



【図5-3】

Fig. 53 user system image processing device print system

advertiser 49/52  
(system)  
-広告主システム

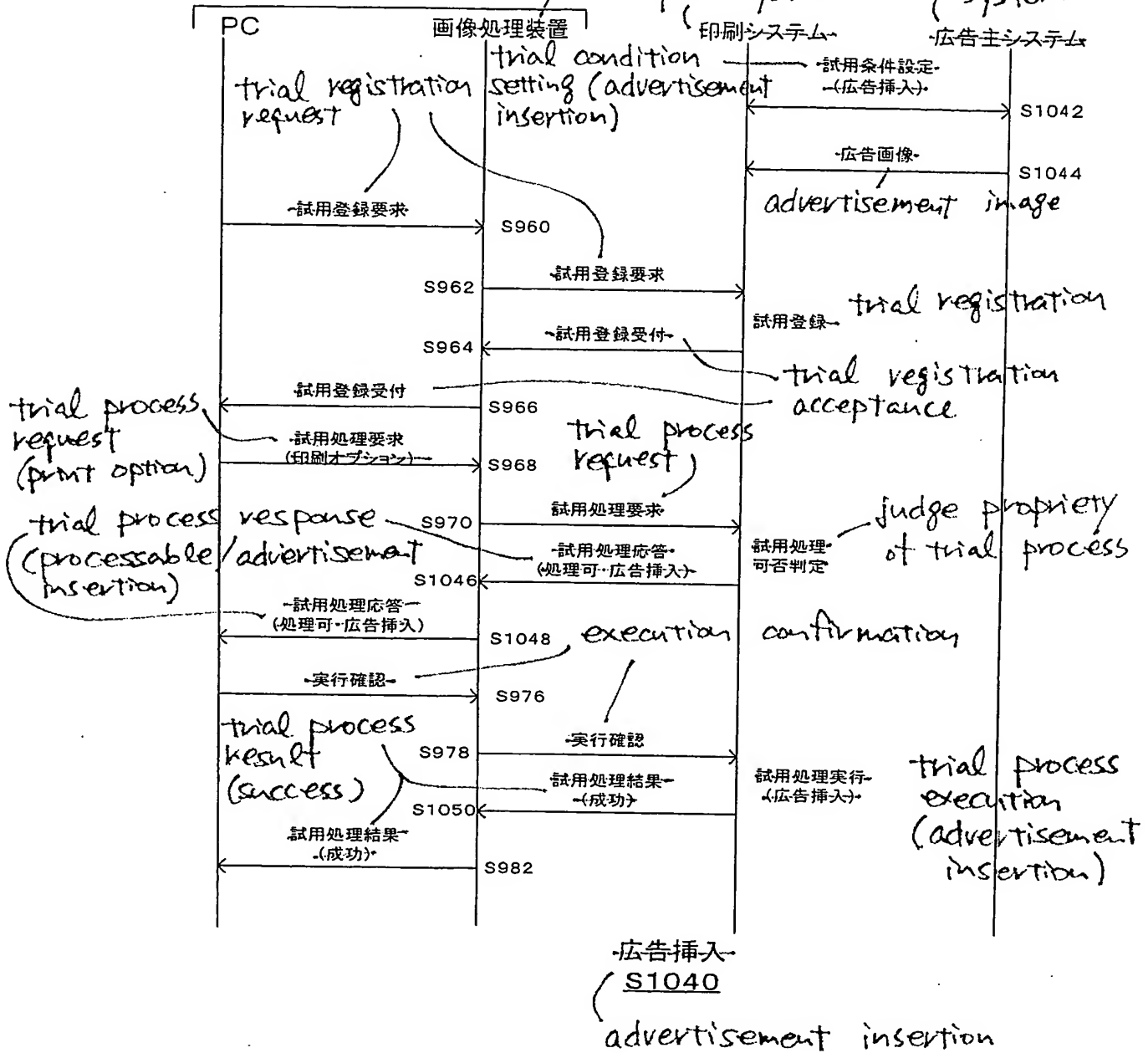
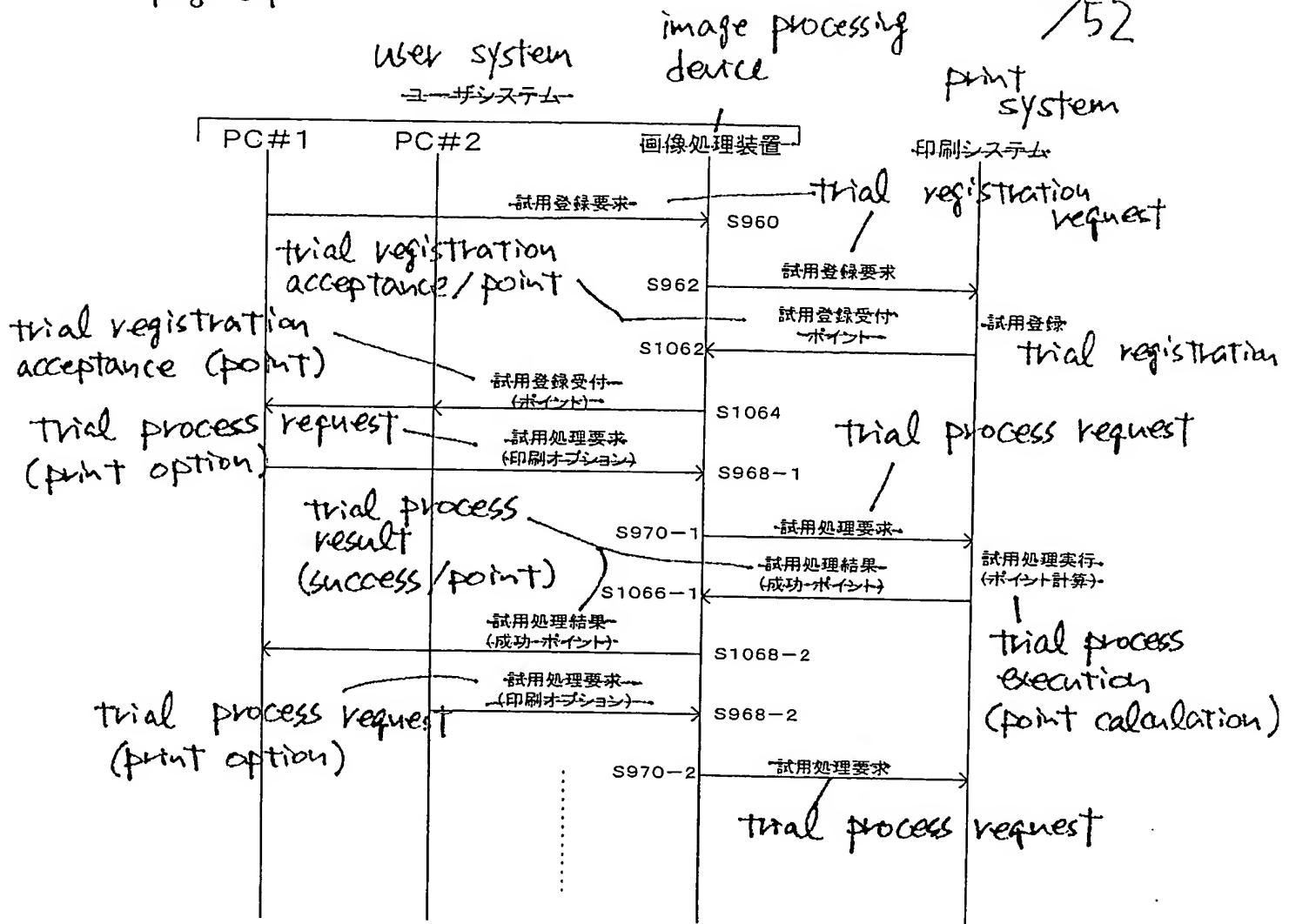


Fig. 54

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ポイント制(ポイント有)

S1060

point system (with point)

〔図55〕

Fig. 55

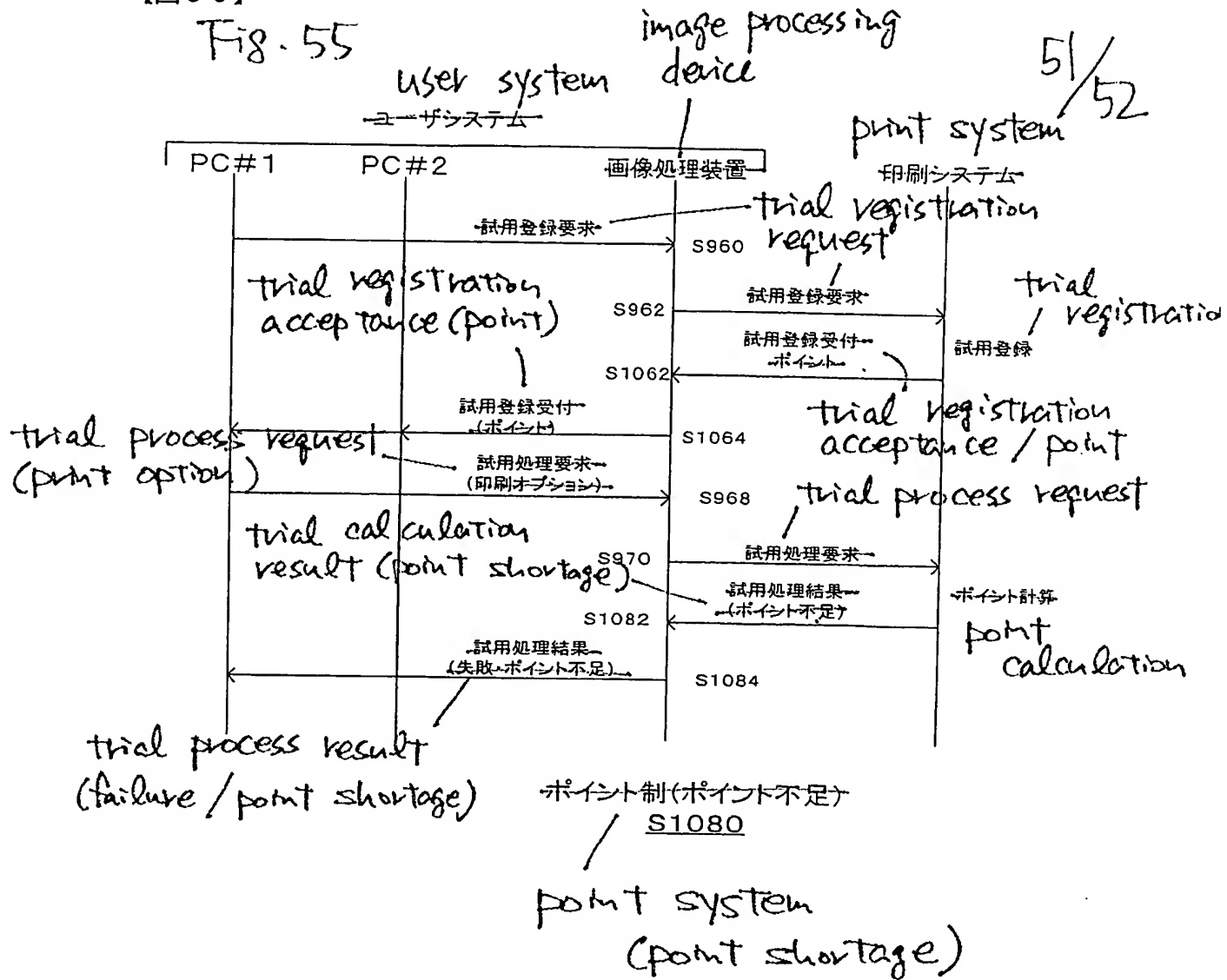


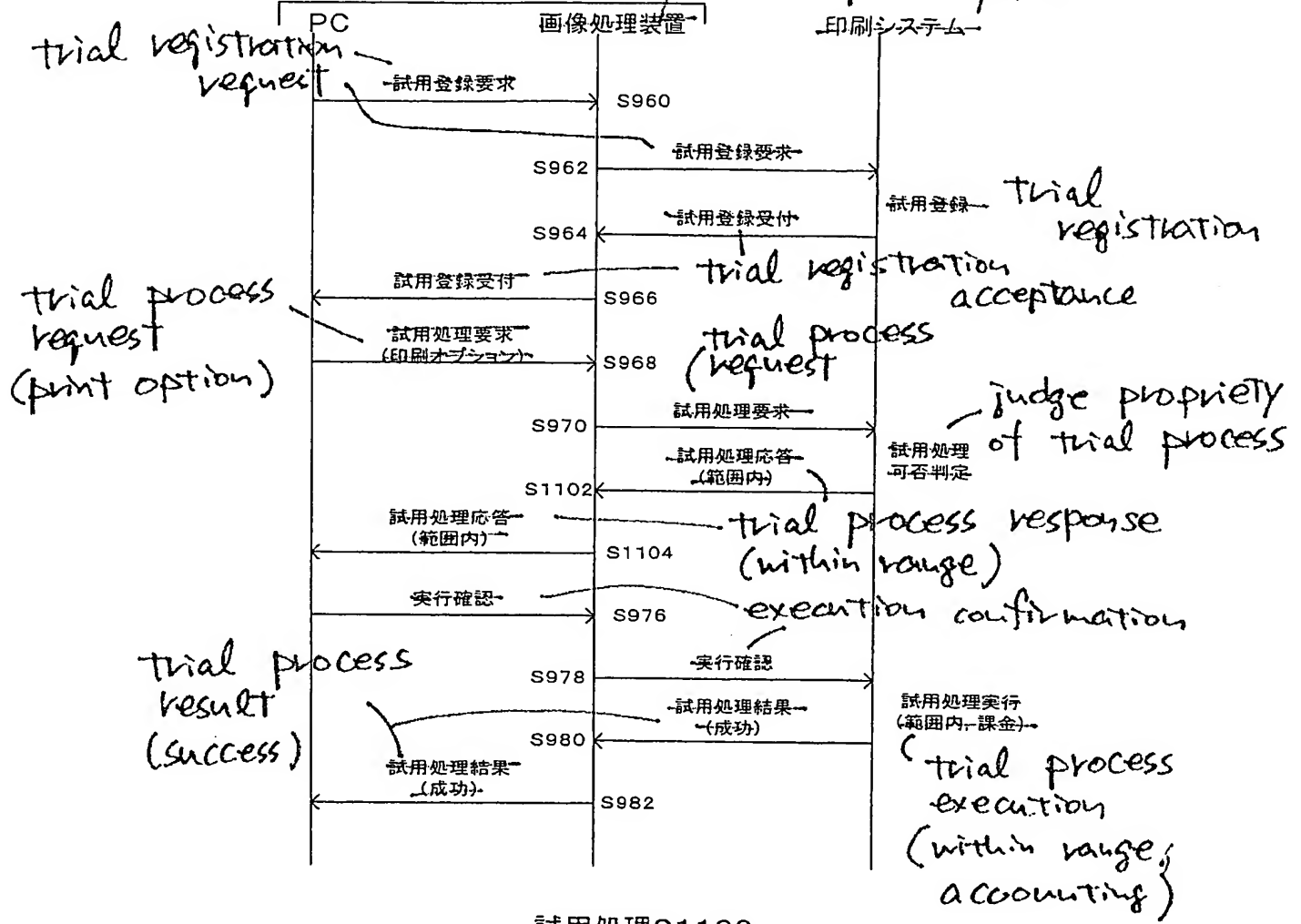
Fig. 56

image processing device

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user system

print system



試用処理S1100

trial process